

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061620\
 Data File : VY002903.D
 Acq On : 16 Jun 2020 12:36
 Operator : SY/MD
 Sample : VY0616SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 11:14:22 AM

Quant Time: Jun 17 02:27:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	267825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	386135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	363563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	203134	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	112121	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
35) Dibromofluoromethane	7.72	113	116431	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.18	98	448325	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.48	95	161799	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	41093	22.299	ug/l	95
3) Chloromethane	2.11	50	48742	23.912	ug/l	99
4) Vinyl Chloride	2.25	62	49917	23.169	ug/l	98
5) Bromomethane	2.65	94	33728	20.890	ug/l	96
6) Chloroethane	2.79	64	30737	22.007	ug/l	98
7) Trichlorofluoromethane	3.13	101	89481	23.450	ug/l	98
8) Diethyl Ether	3.54	74	32060	21.517	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	53916	23.798	ug/l	98
10) Methyl Iodide	4.10	142	66644	21.022	ug/l	99
11) Tert butyl alcohol	4.99	59	31320	118.598	ug/l #	92
12) 1,1-Dichloroethene	3.88	96	52019	22.831	ug/l	96
13) Acrolein	3.74	56	18213	66.832	ug/l	98
14) Allyl chloride	4.49	41	72913	22.313	ug/l	98
15) Acrylonitrile	5.18	53	77532	115.345	ug/l	99
16) Acetone	3.97	43	65353	119.849	ug/l	98
17) Carbon Disulfide	4.20	76	141044	20.486	ug/l	99
18) Methyl Acetate	4.49	43	37336	26.839	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	143947	22.885	ug/l	98
20) Methylene Chloride	4.72	84	66717	25.036	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	57555	22.462	ug/l	95
22) Diisopropyl ether	6.13	45	153198	22.560	ug/l	95
23) Vinyl Acetate	6.07	43	496273	110.692	ug/l	99
24) 1,1-Dichloroethane	6.03	63	90811	22.861	ug/l	99
25) 2-Butanone	7.00	43	98437	115.867	ug/l	99
26) 2,2-Dichloropropane	6.99	77	89344	23.451	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	64737	22.569	ug/l	99
28) Bromochloromethane	7.34	49	35162	21.562	ug/l	97
29) Tetrahydrofuran	7.36	42	61836	111.898	ug/l	99
30) Chloroform	7.51	83	97592	23.152	ug/l	93
31) Cyclohexane	7.79	56	84796	21.500	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	91559	23.309	ug/l	99
36) 1,1-Dichloropropene	7.92	75	75292	23.148	ug/l	100
37) Ethyl Acetate	7.08	43	42667	24.109	ug/l	99
38) Carbon Tetrachloride	7.90	117	85697	23.716	ug/l	98

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	97819	22.816	ug/l	99
40) Benzene	8.16	78	221437	23.040	ug/l	98
41) Methacrylonitrile	7.32	41	20376m	21.432	ug/l	
42) 1,2-Dichloroethane	8.24	62	63248	23.481	ug/l	98
43) Isopropyl Acetate	8.28	43	78492	23.405	ug/l	99
44) Trichloroethene	8.94	130	70909	23.357	ug/l	96
45) 1,2-Dichloropropane	9.22	63	53583	23.248	ug/l	99
46) Dibromomethane	9.31	93	32116	23.463	ug/l	99
47) Bromodichloromethane	9.50	83	76593	23.736	ug/l	99
48) Methyl methacrylate	9.30	41	34755	22.957	ug/l	99
49) 1,4-Dioxane	9.31	88	9393	446.909	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	209223	117.817	ug/l	100
52) Toluene	10.24	92	146199	23.253	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	83237	23.616	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	93155	23.325	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	49313	23.532	ug/l	97
56) Ethyl methacrylate	10.51	69	65946	23.494	ug/l	98
57) 1,3-Dichloropropane	10.79	76	80765	23.432	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	154265	112.477	ug/l	99
59) 2-Hexanone	10.83	43	150623	119.543	ug/l	99
60) Dibromochloromethane	10.99	129	62641	23.577	ug/l	98
61) 1,2-Dibromoethane	11.09	107	48499	23.461	ug/l	100
64) Tetrachloroethene	10.72	164	76692	23.210	ug/l	97
65) Chlorobenzene	11.52	112	165690	23.058	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	63798	23.574	ug/l	100
67) Ethyl Benzene	11.59	91	289854	23.267	ug/l	98
68) m/p-Xylenes	11.70	106	223313	46.235	ug/l	100
69) o-Xylene	12.03	106	106718	23.405	ug/l	100
70) Styrene	12.05	104	184966	23.400	ug/l	100
71) Bromoform	12.20	173	43416	23.975	ug/l	98
73) Isopropylbenzene	12.33	105	294053	22.589	ug/l	100
74) N-amyl acetate	12.14	43	74186	22.211	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	54530	23.875	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	44386m	24.250	ug/l	
77) Bromobenzene	12.61	156	77254	22.791	ug/l	97
78) n-propylbenzene	12.67	91	342908	22.804	ug/l	100
79) 2-Chlorotoluene	12.76	91	188027	22.291	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	247887	22.806	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	22395	23.051	ug/l	99
82) 4-Chlorotoluene	12.86	91	200962	22.740	ug/l	99
83) tert-Butylbenzene	13.08	119	220711	22.765	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	249672	22.845	ug/l	99
85) sec-Butylbenzene	13.25	105	303727	22.911	ug/l	100
86) p-Isopropyltoluene	13.37	119	285741	23.165	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	147799	23.019	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	148155	23.067	ug/l	100
89) n-Butylbenzene	13.70	91	261345	23.336	ug/l	99
90) Hexachloroethane	13.96	117	52850	22.886	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	133472	22.922	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10407	23.683	ug/l	94

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ClientSampleId :
VY0616SBS01

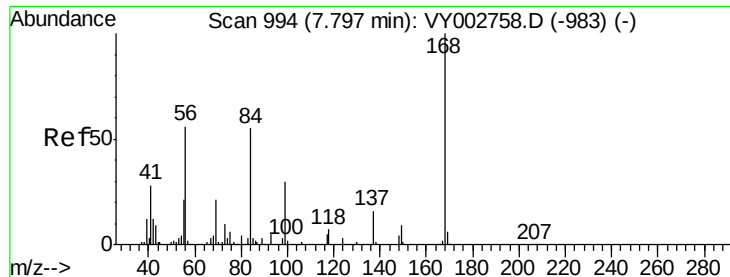
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	101171	23.051	ug/l	99
94) Hexachlorobutadiene	15.11	225	58655	23.562	ug/l	99
95) Naphthalene	15.23	128	200351	22.767	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	91224	23.275	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion:168 Resp: 267825

Ion Ratio Lower Upper

168 100

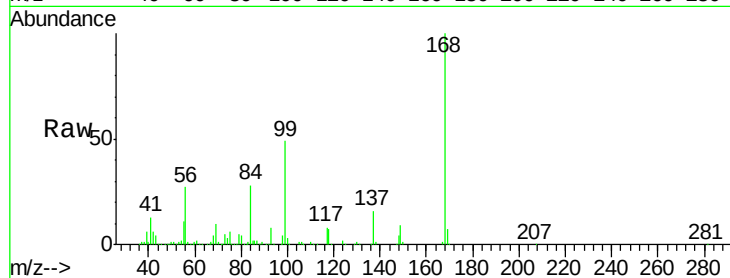
99 48.9 39.0 58.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

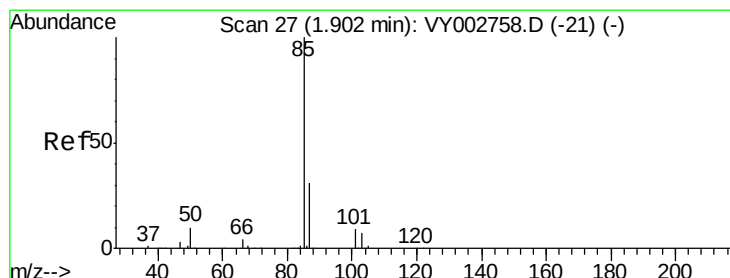
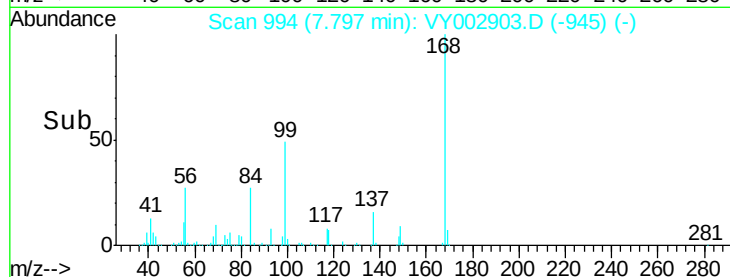
7.80

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.299 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY002903.D

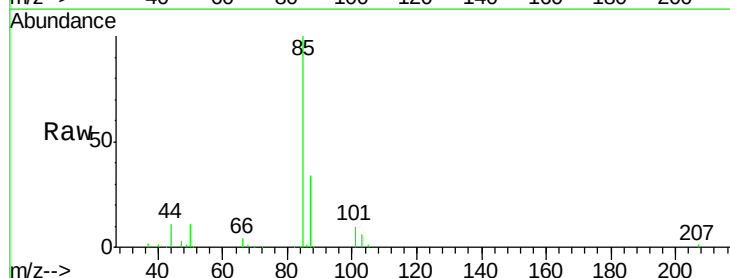
Acq: 16 Jun 2020 12:36

Tgt Ion: 85 Resp: 41093

Ion Ratio Lower Upper

85 100

87 33.6 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

30000

25000

20000

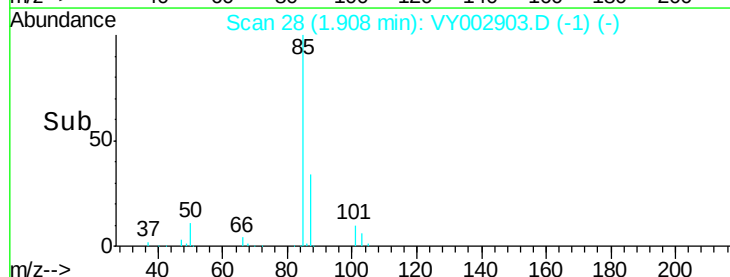
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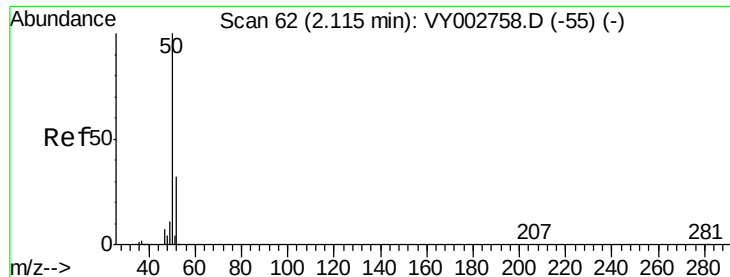
10000

5000

0

Time-->





#3

Chloromethane

Concen: 23.912 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 50 Resp: 48742

Ion Ratio Lower Upper

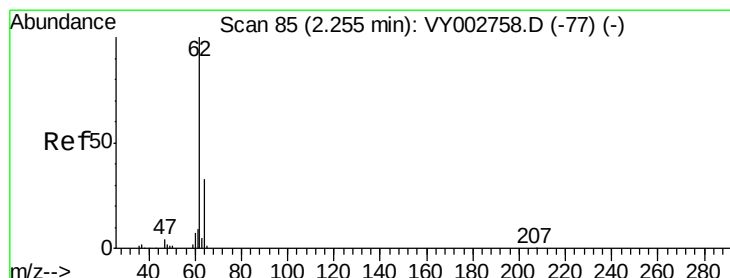
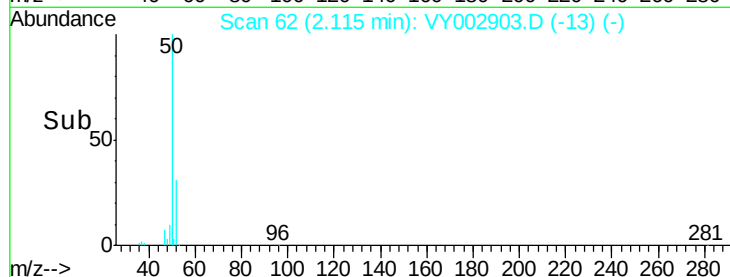
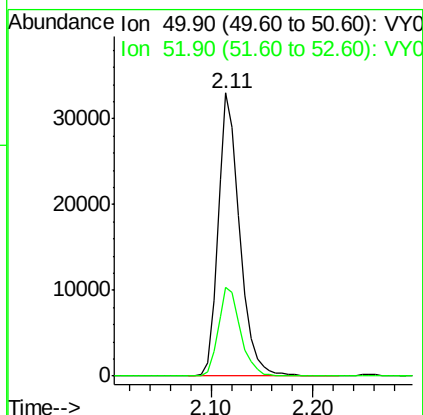
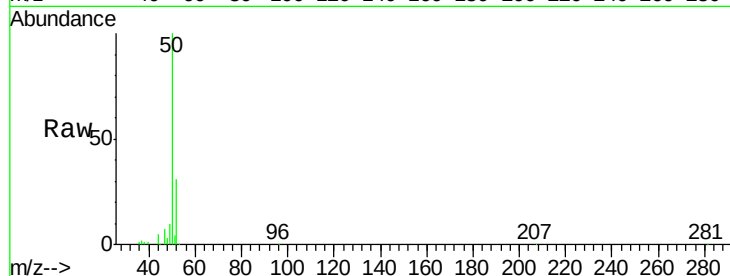
50 100

52 31.4 25.8 38.6

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#4

Vinyl Chloride

Concen: 23.169 ug/l

RT: 2.25 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY002903.D

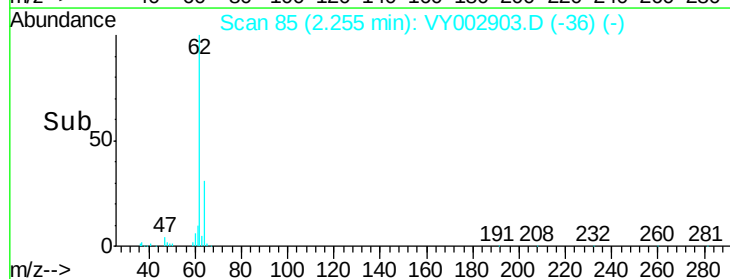
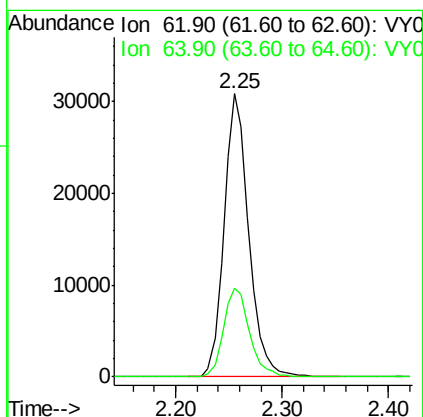
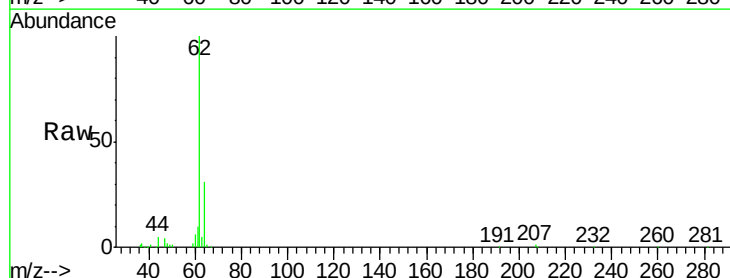
Acq: 16 Jun 2020 12:36

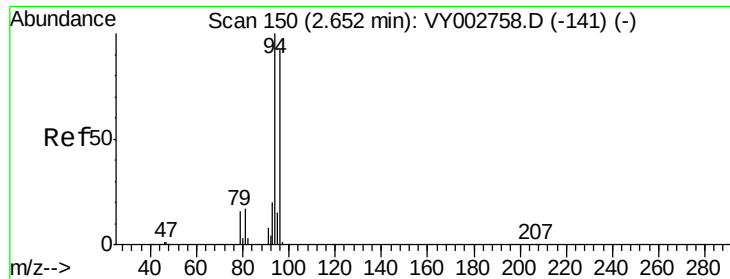
Tgt Ion: 62 Resp: 49917

Ion Ratio Lower Upper

62 100

64 31.4 26.1 39.1





#5

Bromomethane

Concen: 20.890 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 94 Resp: 33728

Ion Ratio Lower Upper

94 100

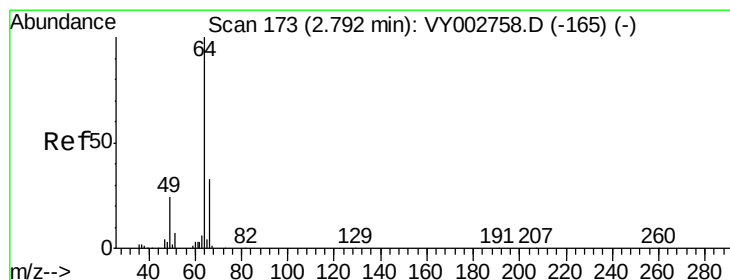
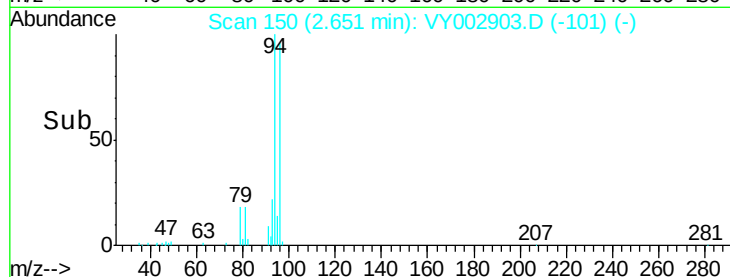
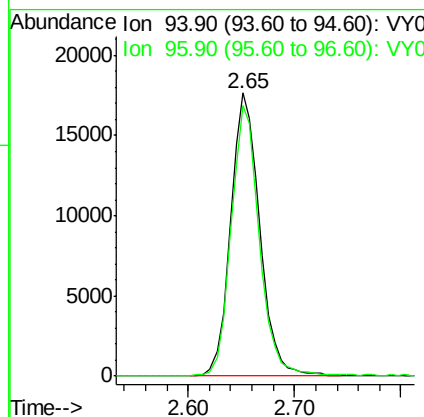
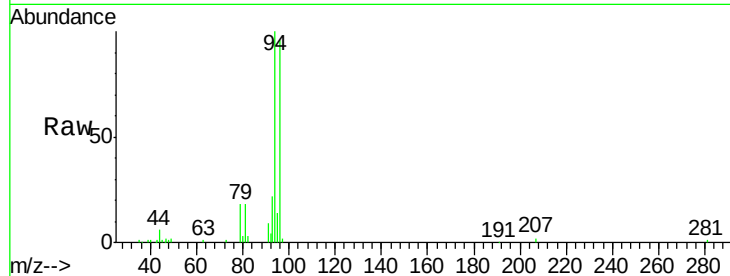
96 95.7 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 22.007 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY002903.D

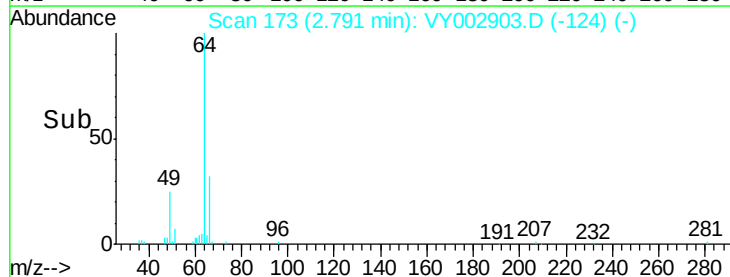
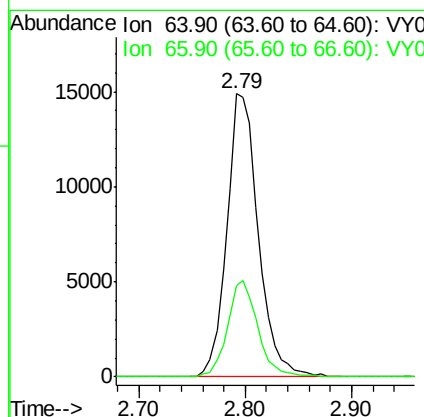
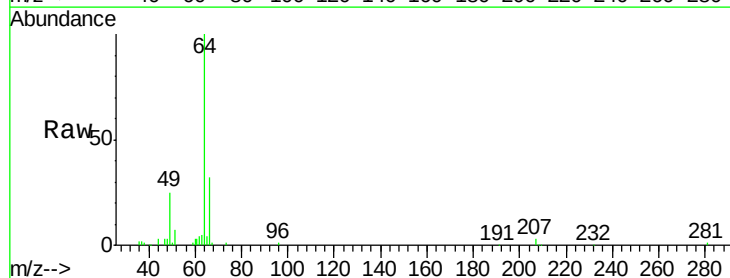
Acq: 16 Jun 2020 12:36

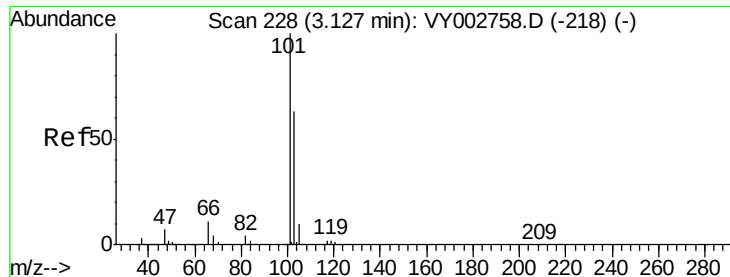
Tgt Ion: 64 Resp: 30737

Ion Ratio Lower Upper

64 100

66 32.1 26.4 39.6





#7

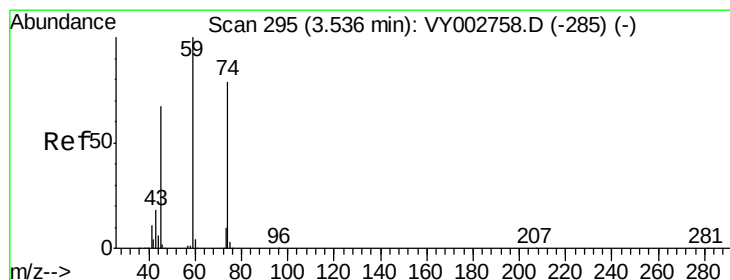
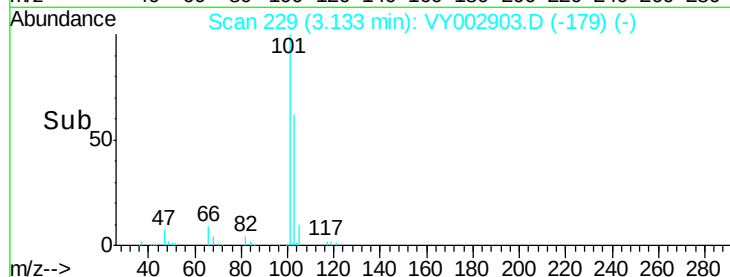
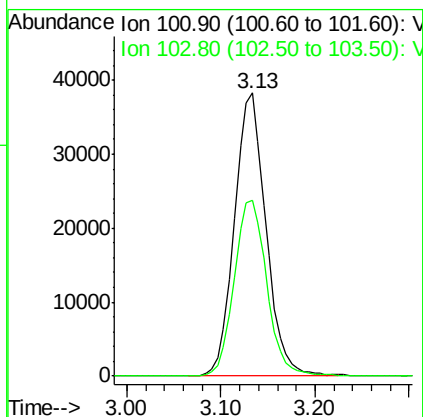
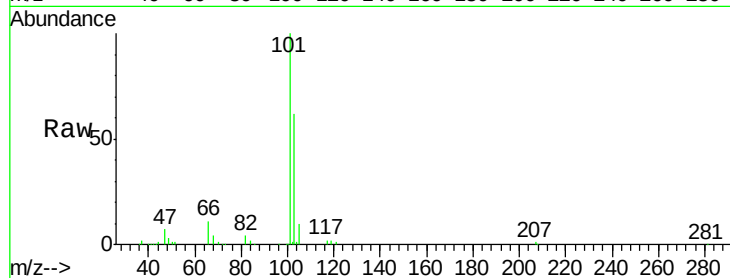
Trichlorofluoromethane
Concen: 23.450 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

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ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	50.6	76.0

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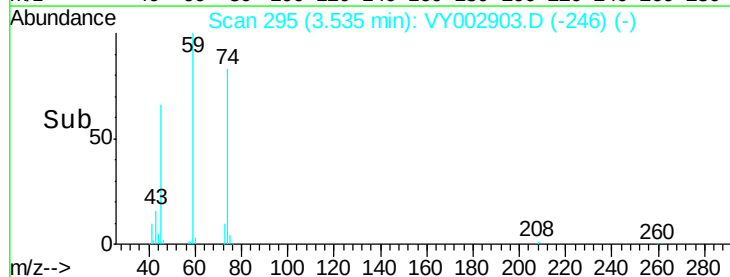
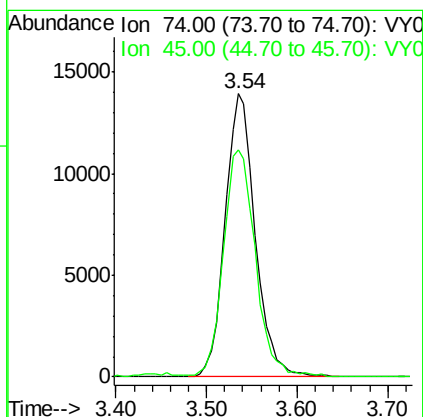
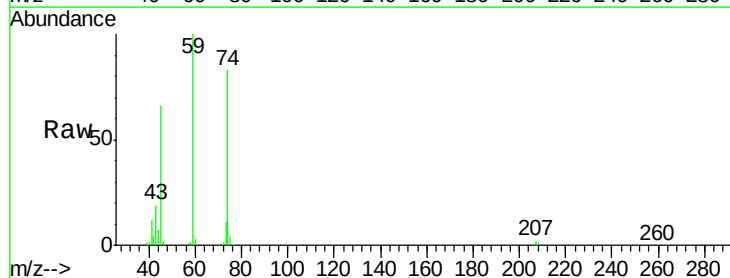
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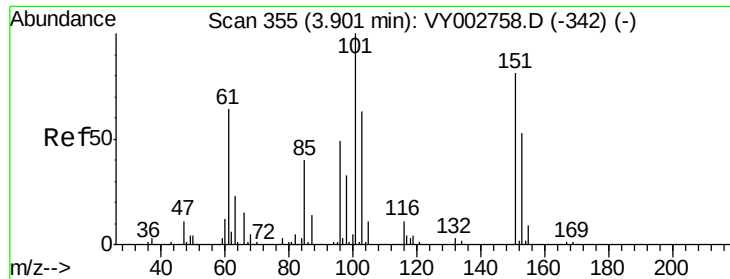


#8

Diethyl Ether
Concen: 21.517 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.4	44.0	131.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.798 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

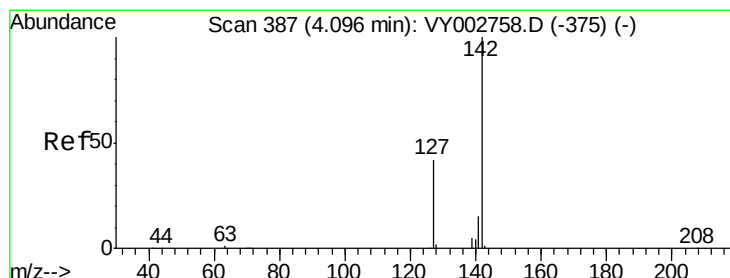
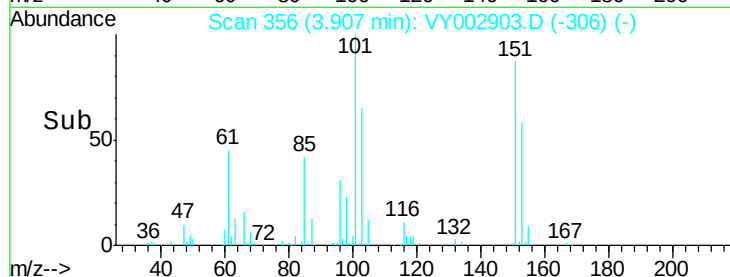
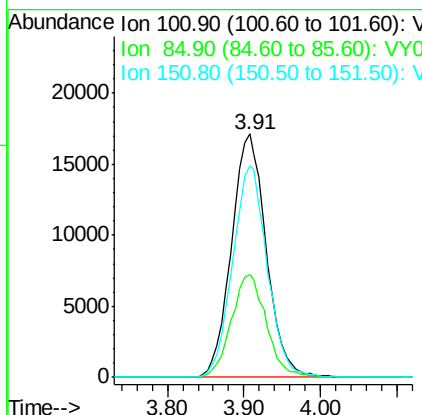
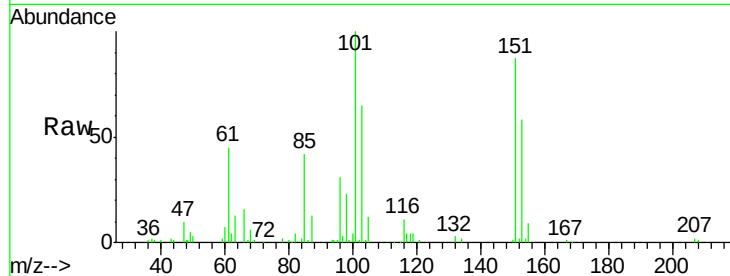
ClientSampleId :

VY0616SBS01

Tot Ion:	101	Resp:	53916
Ion Ratio	Lower	Upper	
101	100		
85	42.3	32.7	49.1
151	86.8	68.0	102.0

Manual Integrations
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#10

Methyl Iodide

Concen: 21.022 ug/l

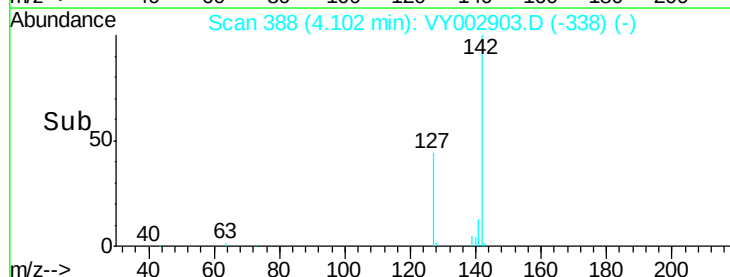
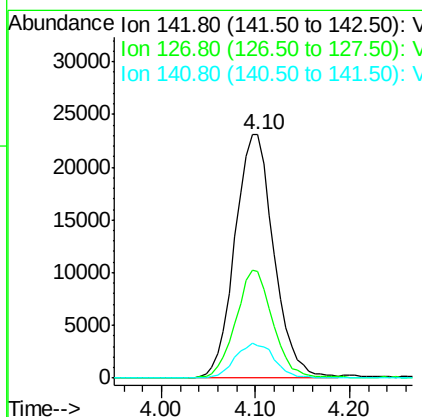
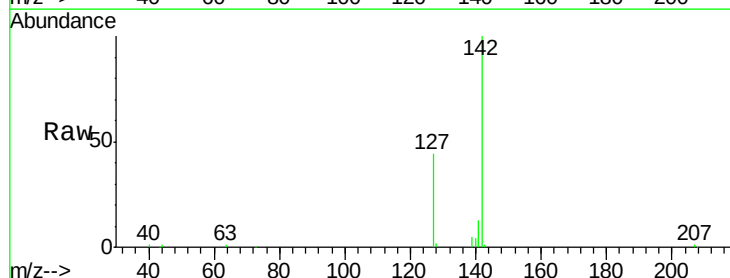
RT: 4.10 min Scan# 388

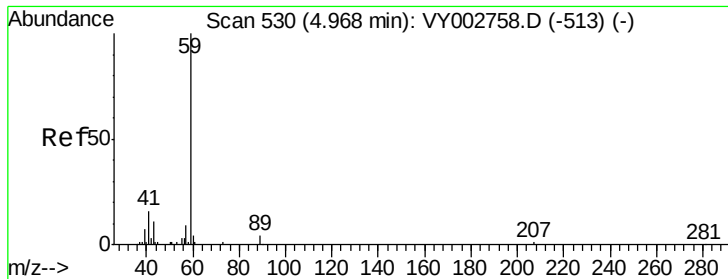
Delta R.T. 0.01 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Tgt Ion:	142	Resp:	66644
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.3	49.9
141	14.3	11.5	17.3





#11

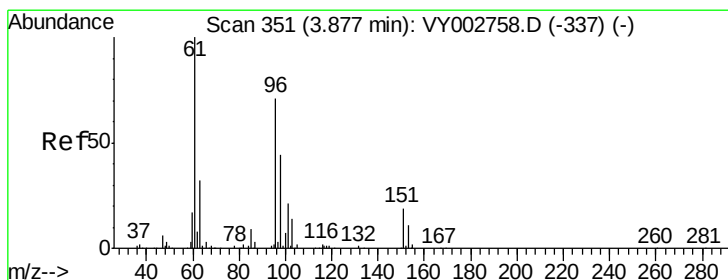
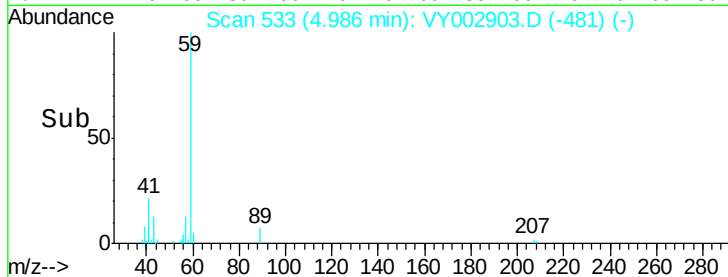
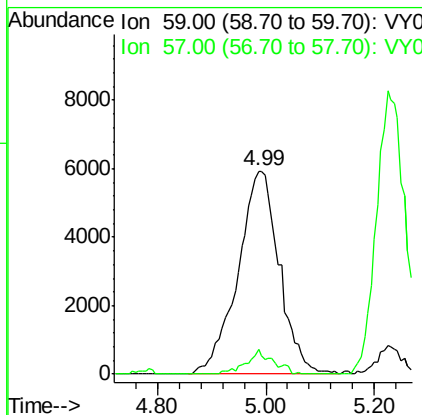
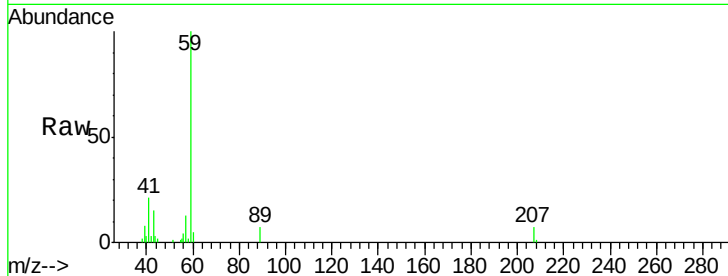
Tert butyl alcohol
 Concen: 118.598 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. 0.02 min
 Lab File: VY002903.D
 Acq: 16 Jun 2020 12:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Tot Ion	59	Resp	31320
Ion Ratio	100	Lower	Upper
57	6.8	7.7	11.5#

Manual Integrations
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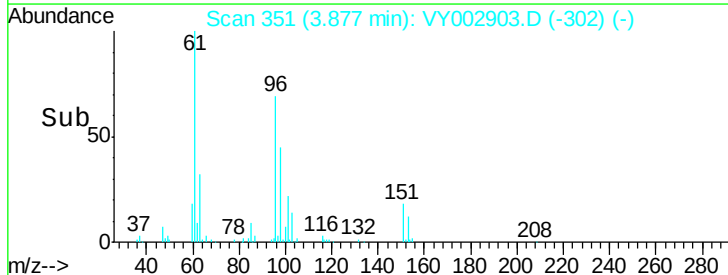
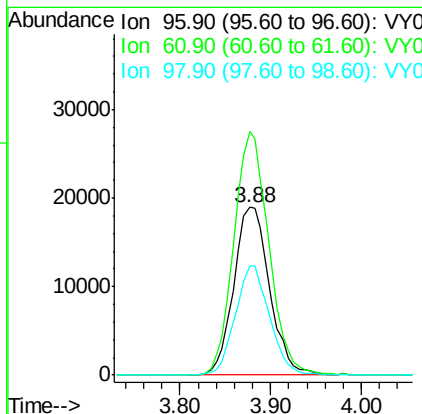
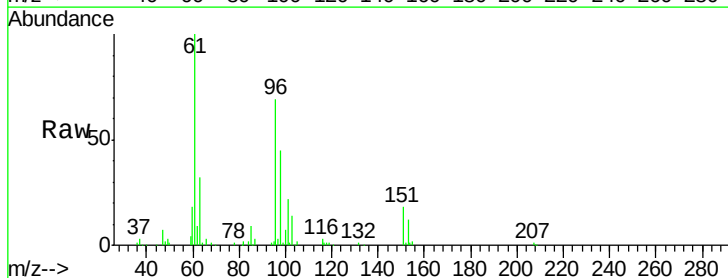
MMDadoda
 6/18/2020 11:14:22 AM

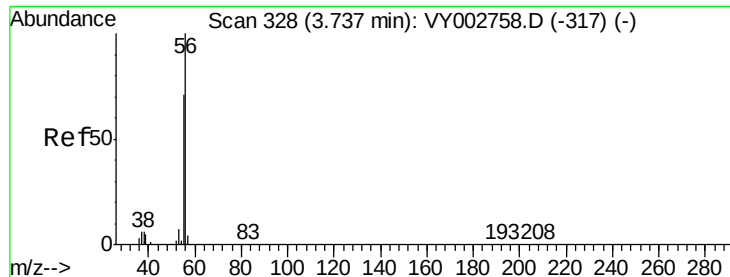


#12

1,1-Dichloroethene
 Concen: 22.831 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY002903.D
 Acq: 16 Jun 2020 12:36

Tgt Ion	96	Resp	52019
Ion Ratio	100	Lower	Upper
61	145.3	112.6	168.8
98	65.2	50.0	75.0





#13

Acrolein

Concen: 66.832 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 56 Resp: 18213

Ion Ratio Lower Upper

56 100

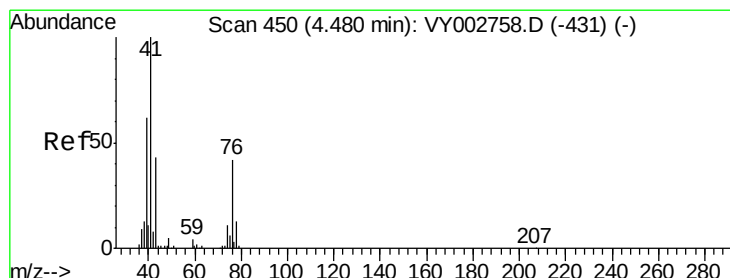
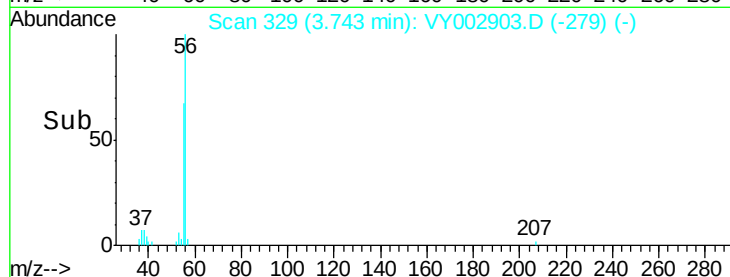
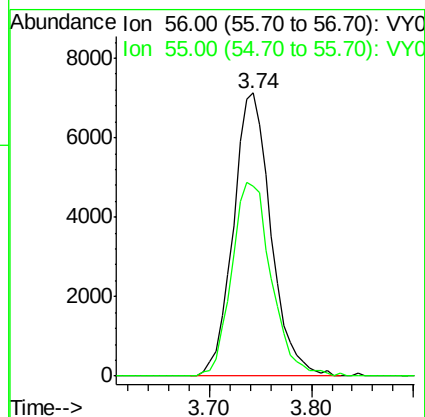
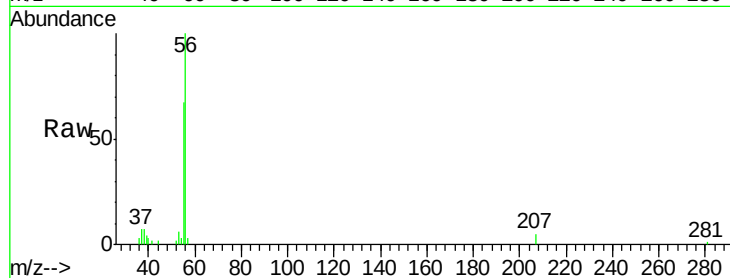
55 71.7 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 22.313 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

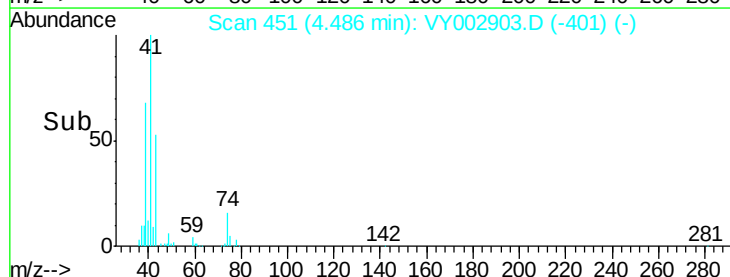
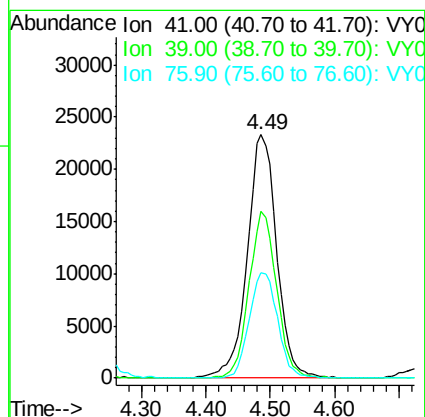
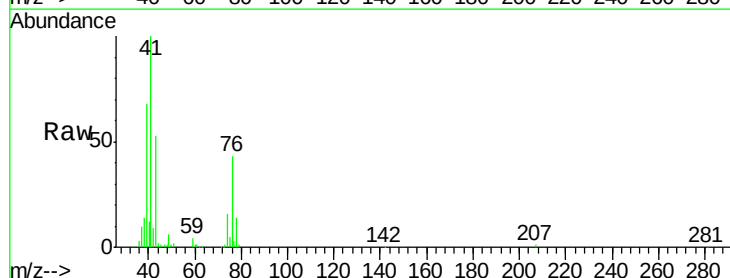
Tgt Ion: 41 Resp: 72913

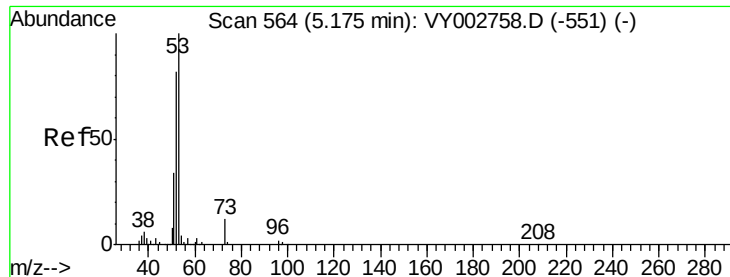
Ion Ratio Lower Upper

41 100

39 64.4 49.9 74.9

76 41.8 33.2 49.8





#15

Acrylonitrile

Concen: 115.345 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

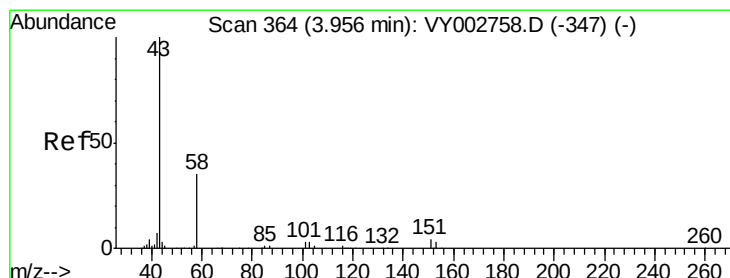
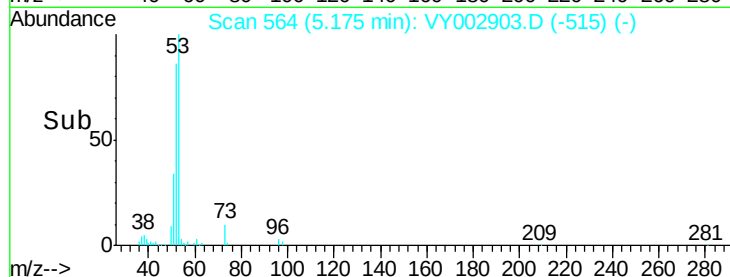
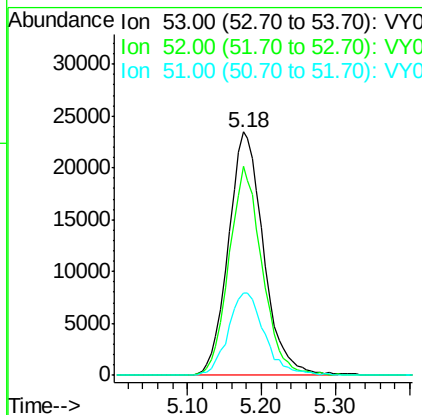
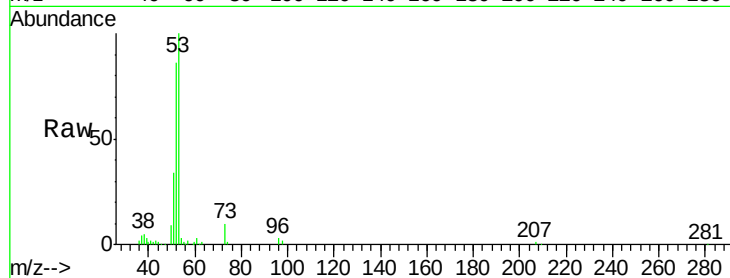
ClientSampleId :

VY0616SBS01

Tot Ion:	53	Resp:	77532
Ion Ratio	Lower	Upper	
53	100		
52	80.9	65.3	97.9
51	35.2	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 119.849 ug/l

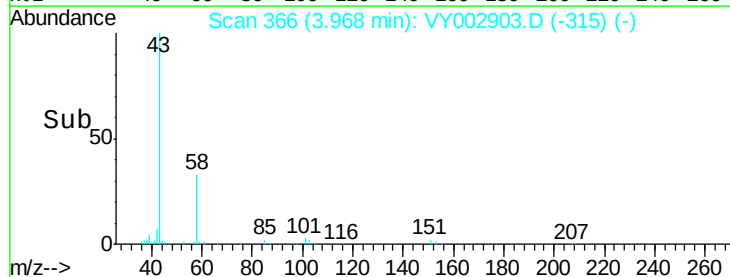
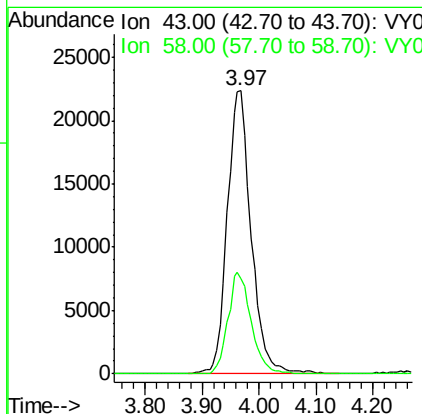
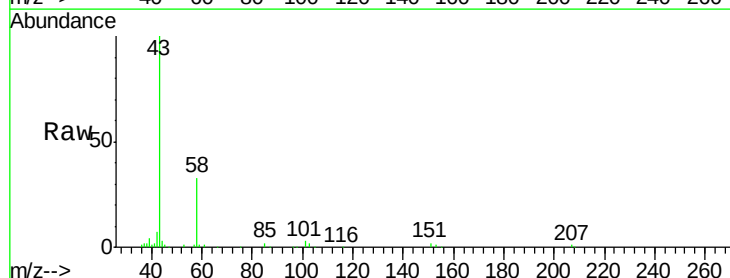
RT: 3.97 min Scan# 366

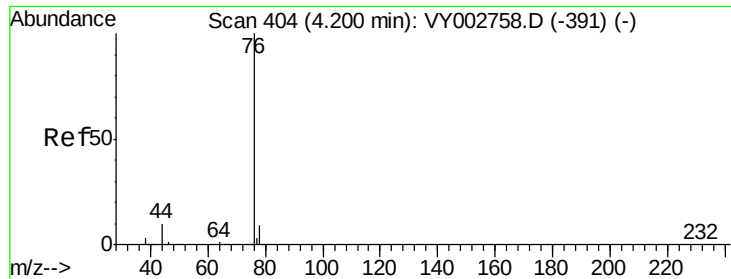
Delta R.T. 0.01 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Tgt Ion:	43	Resp:	65353
Ion Ratio	Lower	Upper	
43	100		
58	33.5	27.7	41.5





#17

Carbon Disulfide

Concen: 20.486 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 76 Resp: 141044

Ion Ratio Lower Upper

76 100

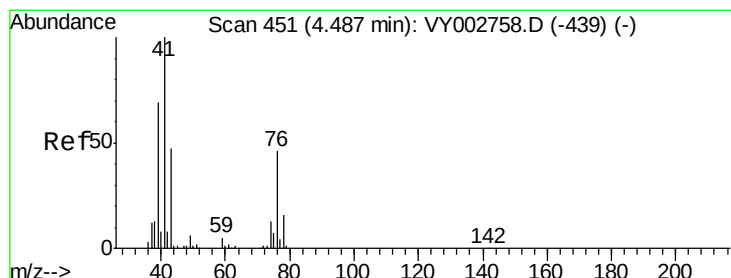
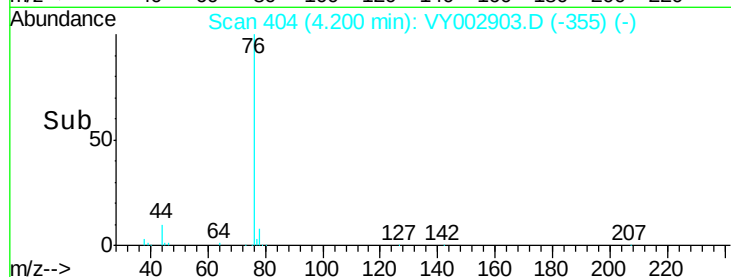
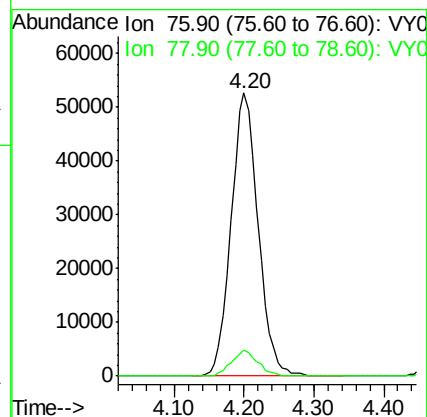
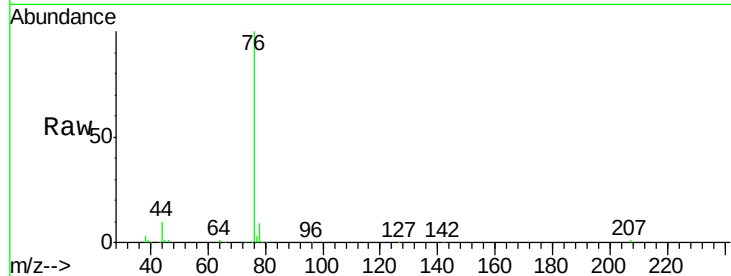
78 9.1 6.9 10.3

Manual Integrations

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#18

Methyl Acetate

Concen: 26.839 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY002903.D

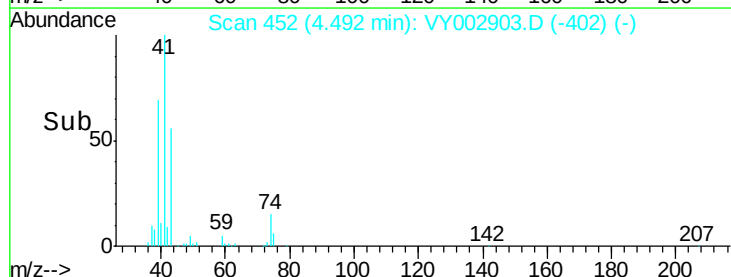
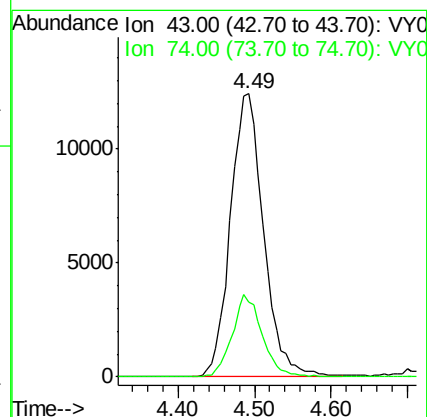
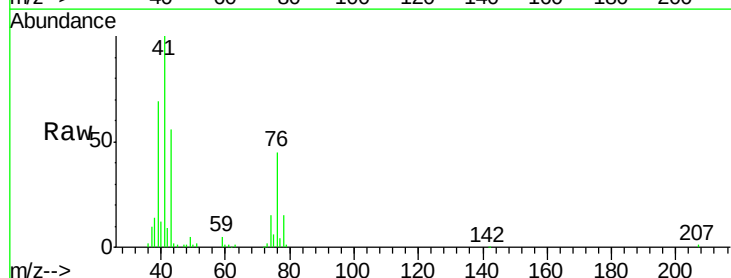
Acq: 16 Jun 2020 12:36

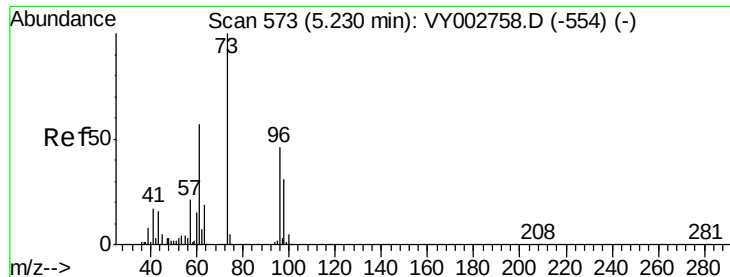
Tgt Ion: 43 Resp: 37336

Ion Ratio Lower Upper

43 100

74 26.2 21.4 32.0





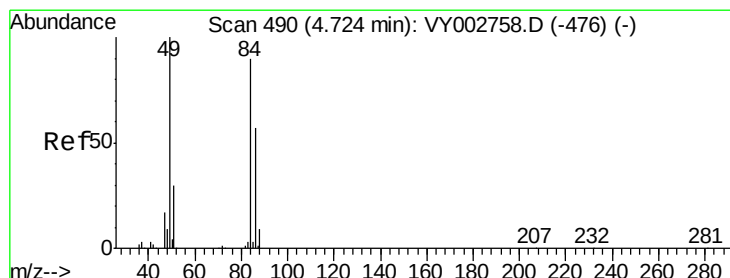
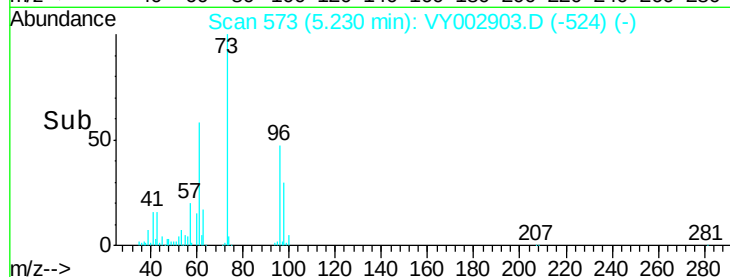
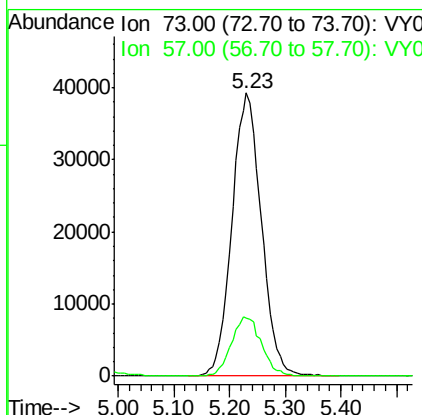
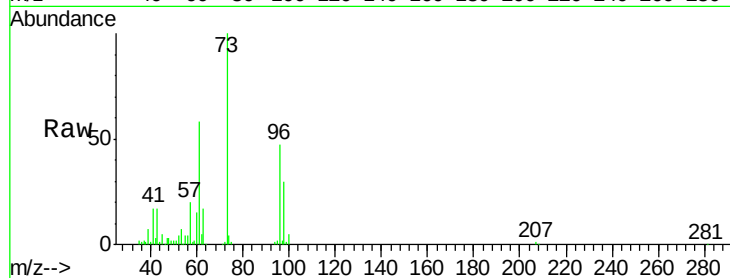
#19
Methyl tert-butyl Ether
Concen: 22.885 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion: 73 Resp: 143947
Ion Ratio Lower Upper
73 100
57 20.4 17.0 25.4

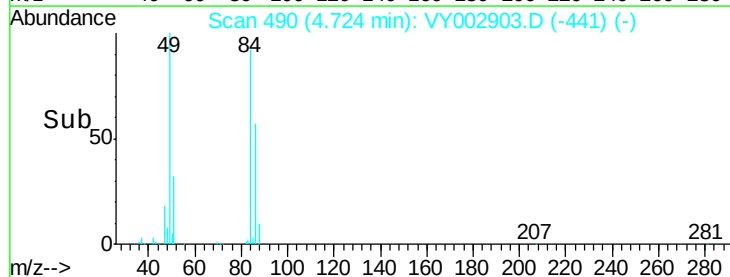
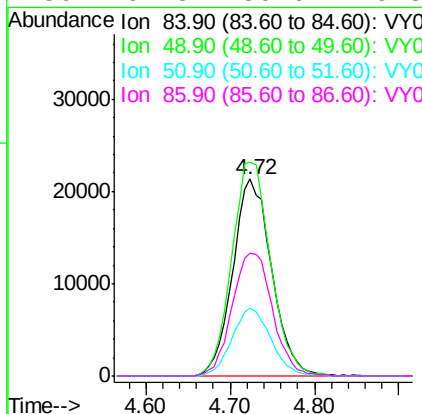
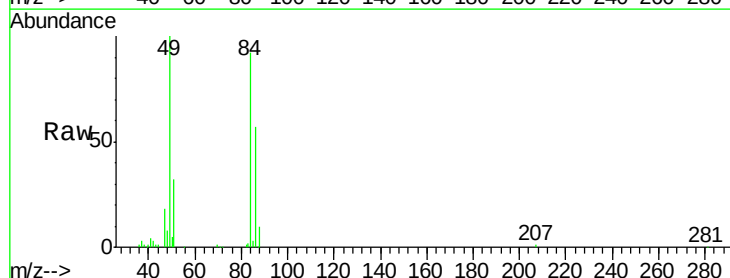
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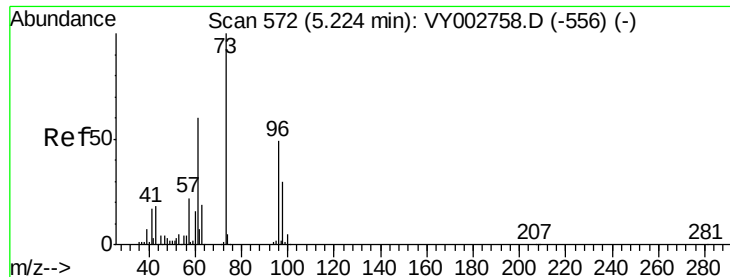
MMDadoda
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#20
Methylene Chloride
Concen: 25.036 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Tgt Ion: 84 Resp: 66717
Ion Ratio Lower Upper
84 100
49 108.6 88.5 132.7
51 34.6 26.8 40.2
86 62.3 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 22.462 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

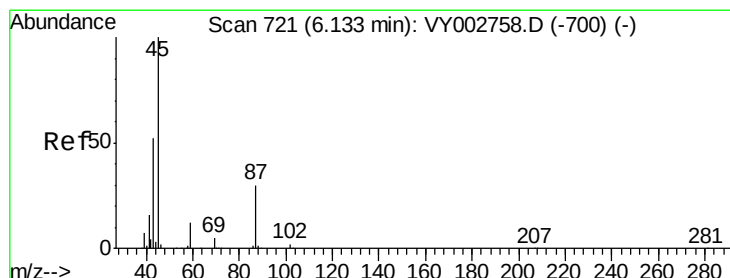
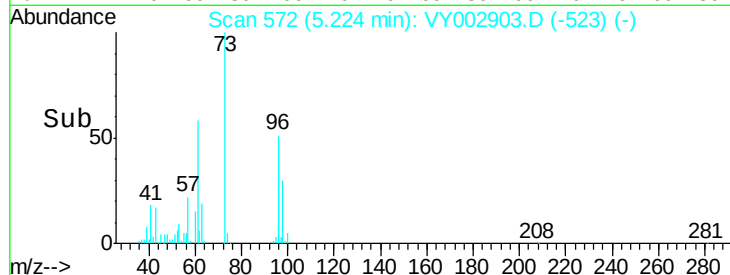
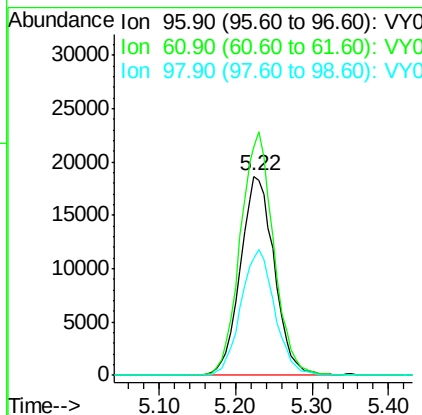
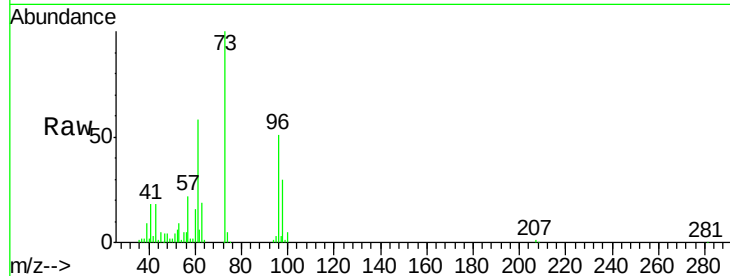
ClientSampleId :

VY0616SBS01

Tot Ion:	96	Resp:	57555
Ion	Ratio	Lower	Upper
96	100		
61	114.7	96.8	145.2
98	58.4	49.4	74.0

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#22

Diisopropyl ether

Concen: 22.560 ug/l

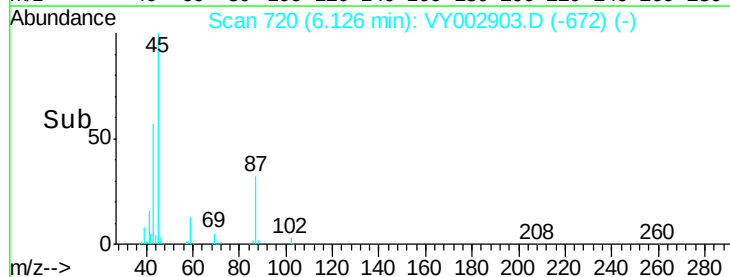
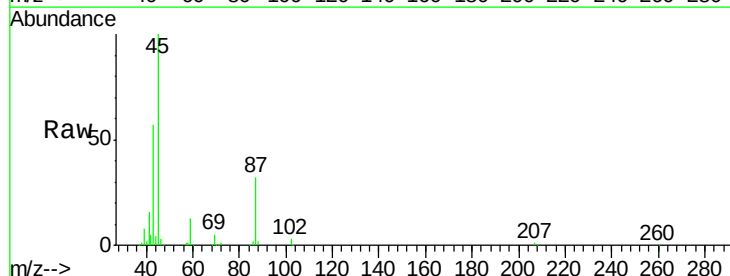
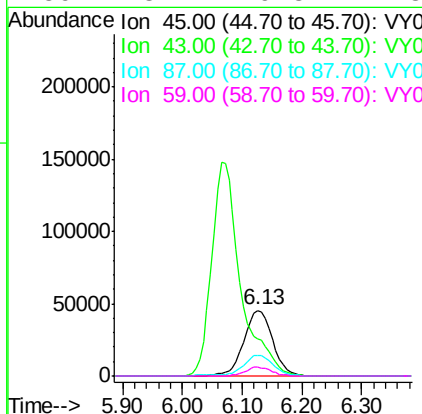
RT: 6.13 min Scan# 720

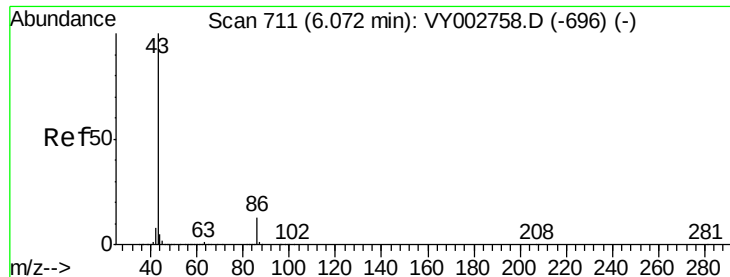
Delta R.T. -0.01 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Tgt Ion:	45	Resp:	153198
Ion	Ratio	Lower	Upper
45	100		
43	57.3	41.7	62.5
87	31.7	24.2	36.2
59	13.4	9.8	14.8





#23

Vinyl Acetate

Concen: 110.692 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 43 Resp: 496273

Ion Ratio Lower Upper

43 100

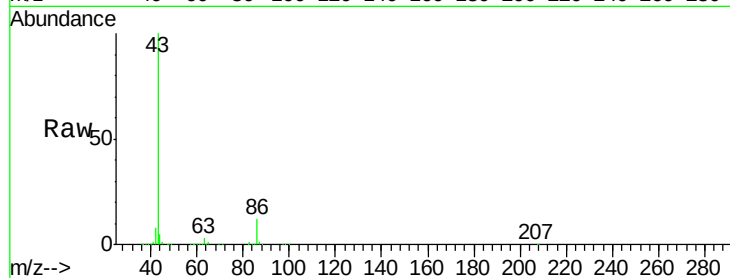
86 12.2 10.2 15.2

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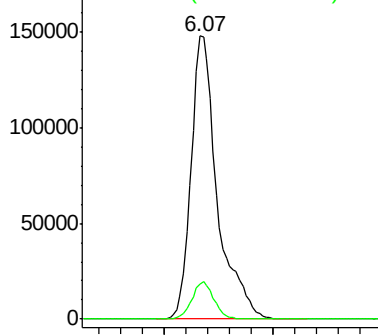
MMDadoda

6/18/2020 11:14:22 AM

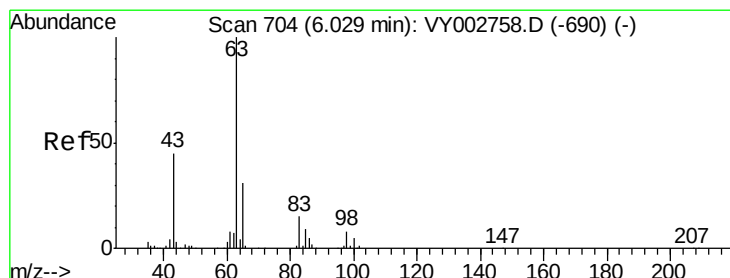
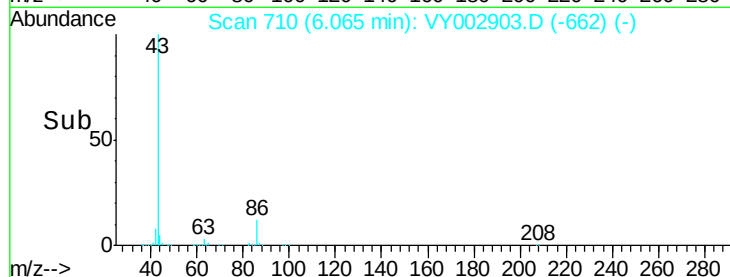


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



Time-->



#24

1,1-Dichloroethane

Concen: 22.861 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

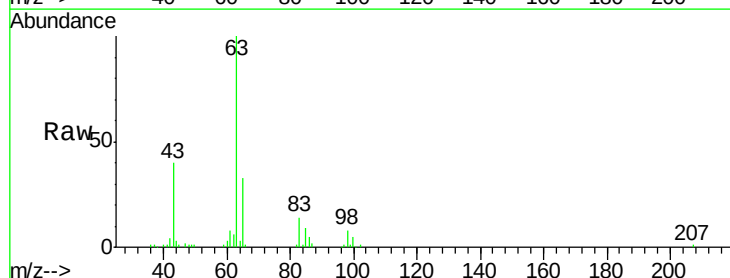
Tgt Ion: 63 Resp: 90811

Ion Ratio Lower Upper

63 100

98 8.3 4.0 12.2

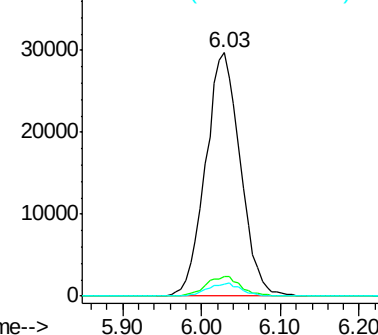
100 5.0 2.4 7.1



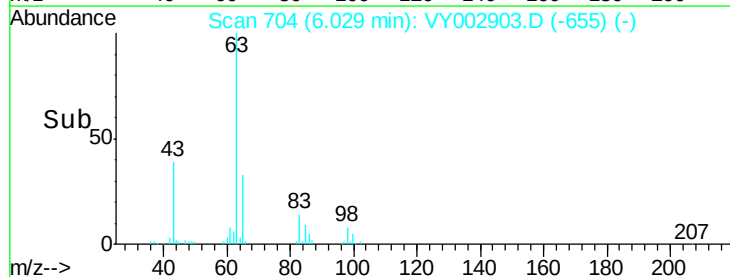
Abundance Ion 62.90 (62.60 to 63.60): VY0

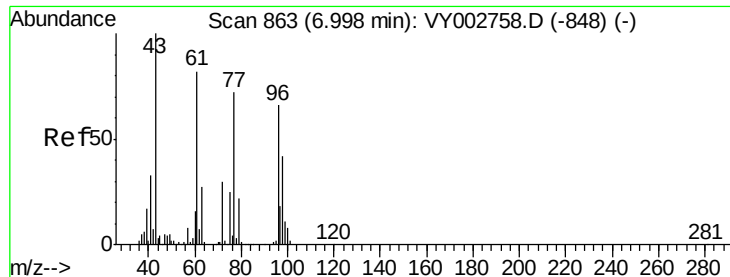
Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0



Time-->





#25

2-Butanone

Concen: 115.867 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 43 Resp: 98437

Ion Ratio Lower Upper

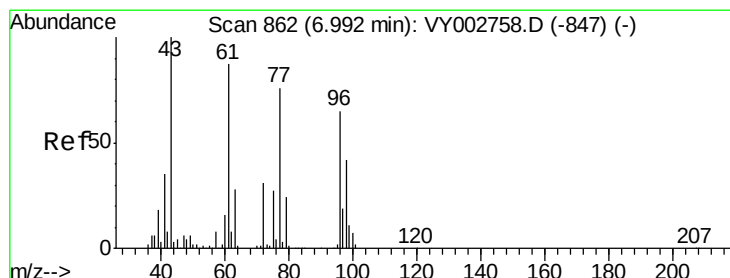
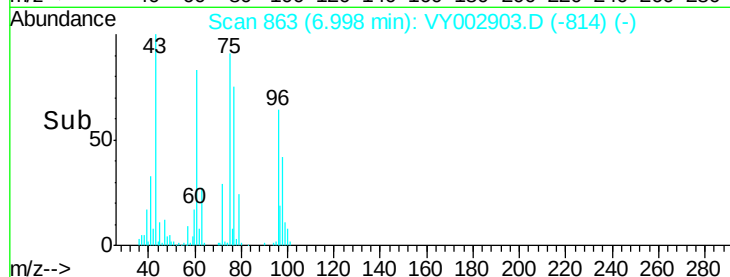
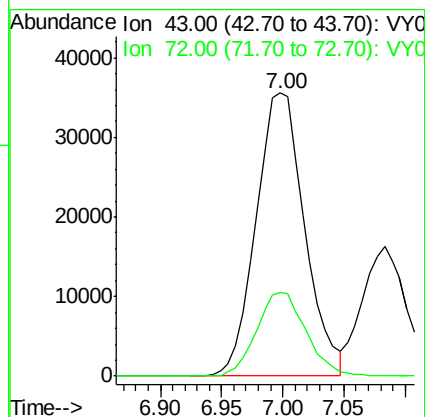
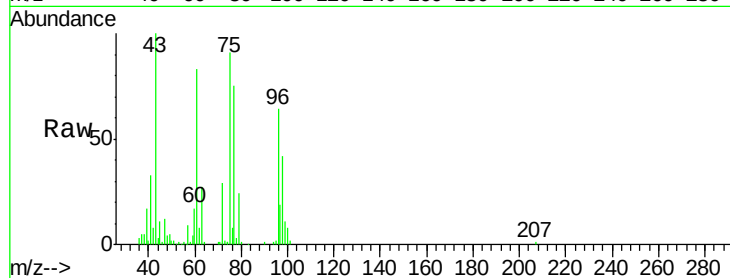
43 100

72 29.4 23.9 35.9

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6/18/2020 11:14:22 AM



#26

2,2-Dichloropropane

Concen: 23.451 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY002903.D

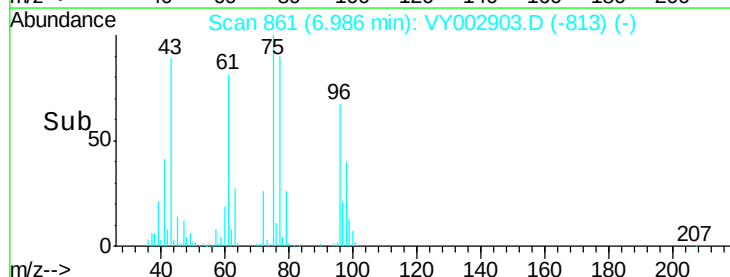
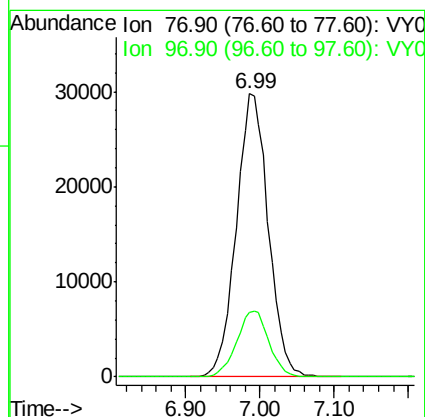
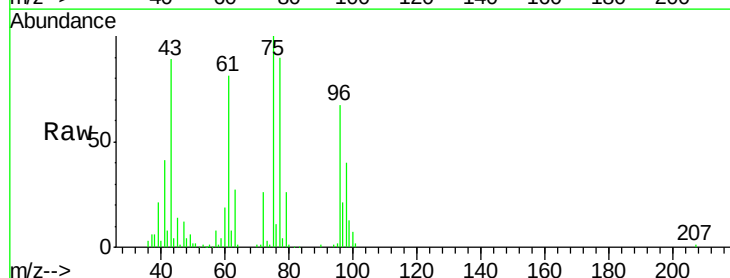
Acq: 16 Jun 2020 12:36

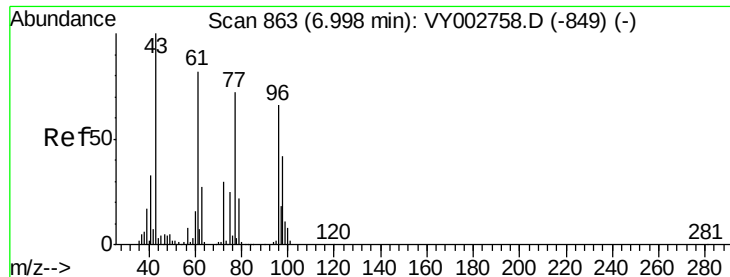
Tgt Ion: 77 Resp: 89344

Ion Ratio Lower Upper

77 100

97 23.4 12.2 36.6





#27

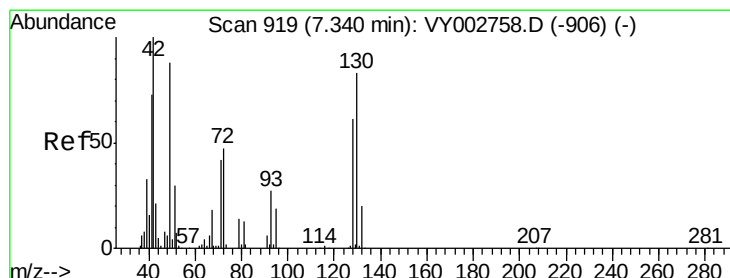
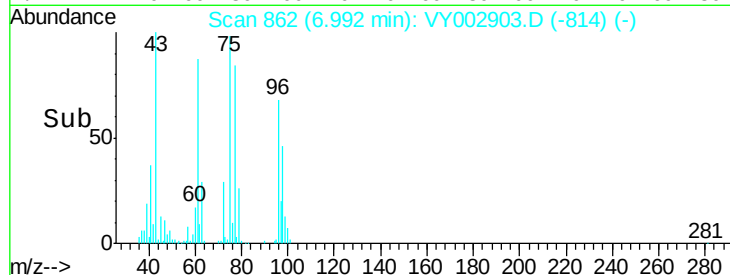
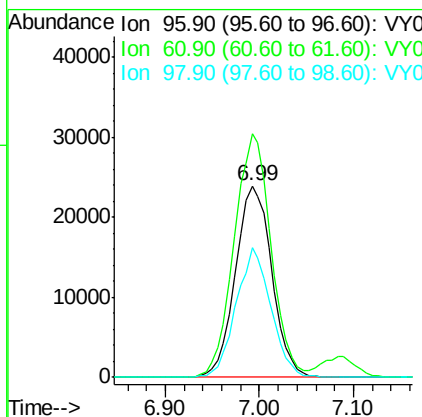
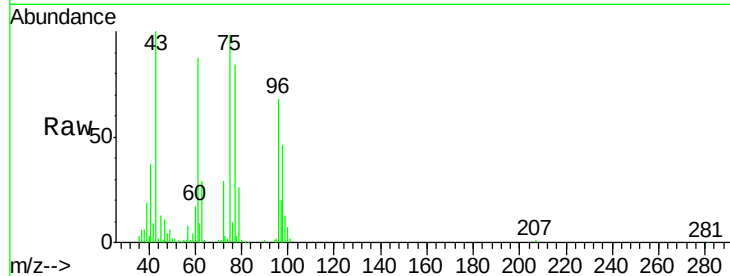
cis-1,2-Dichloroethene
Concen: 22.569 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.2	0.0	260.2
98	64.4	0.0	128.2

Manual Integrations
APPROVED

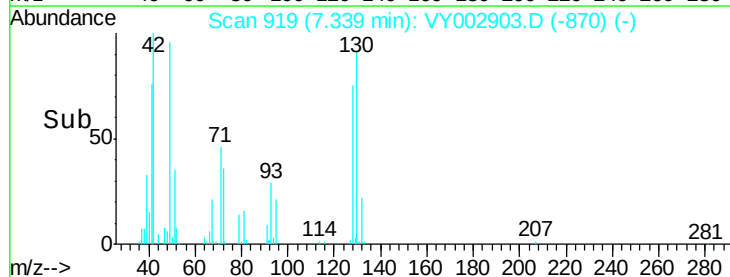
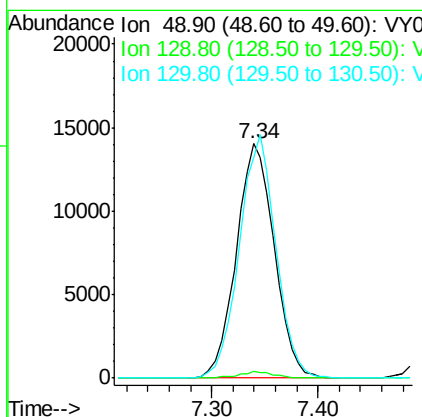
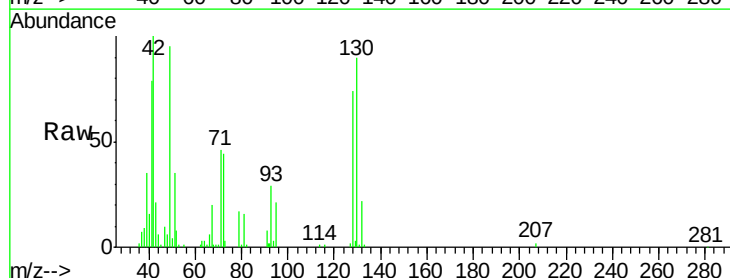
MMDadoda
6/18/2020 11:14:22 AM

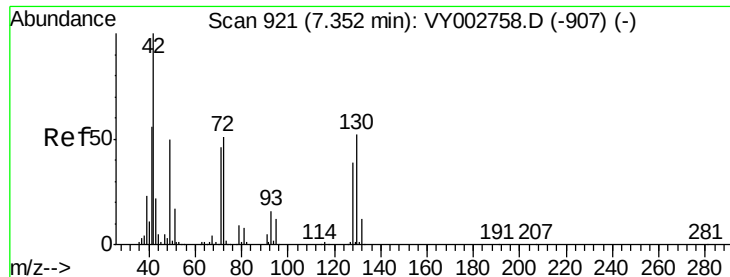


#28

Bromochloromethane
Concen: 21.562 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.2
130	99.6	77.1	115.7





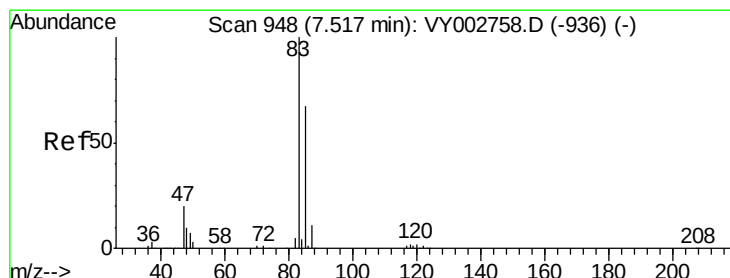
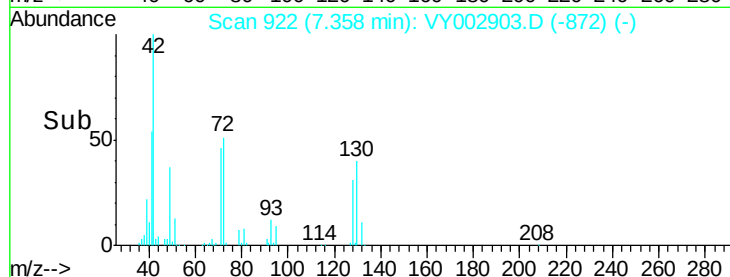
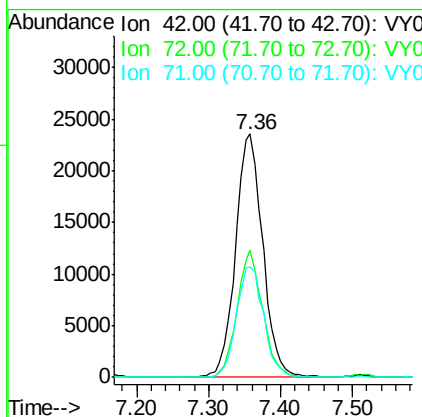
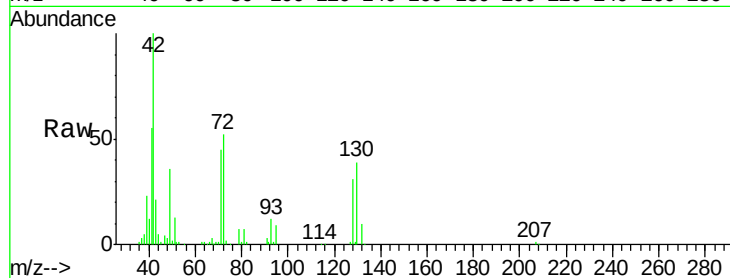
#29
Tetrahydrofuran
Concen: 111.898 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.8	38.6	58.0
71	45.4	35.8	53.8

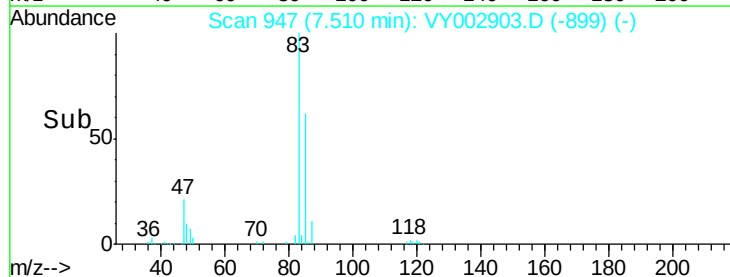
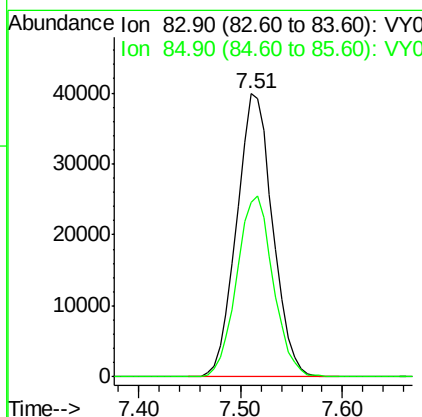
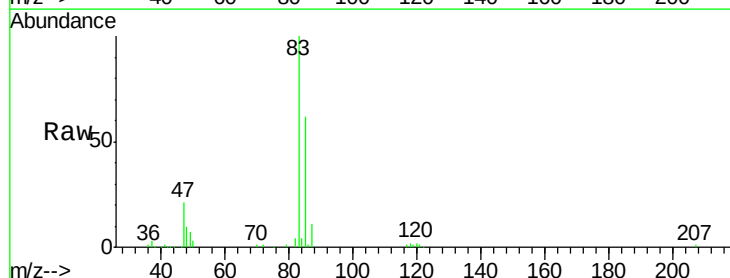
Manual Integrations
APPROVED

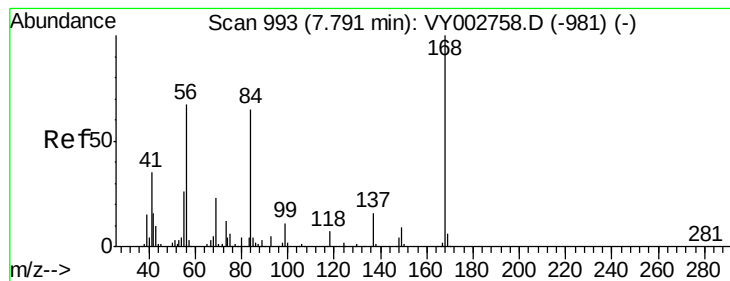
MMDadoda
6/18/2020 11:14:22 AM



#30
Chloroform
Concen: 23.152 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	53.8	80.8





#31

Cyclohexane

Concen: 21.500 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 56 Resp: 84796

Ion Ratio Lower Upper

56 100

69 41.7 28.0 42.0

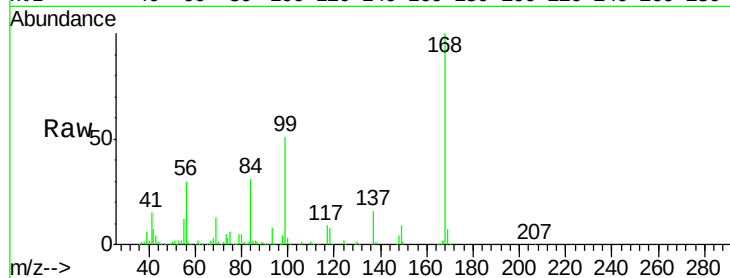
84 99.6 77.7 116.5

Manual Integrations

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MMDadoda

6/18/2020 11:14:22 AM

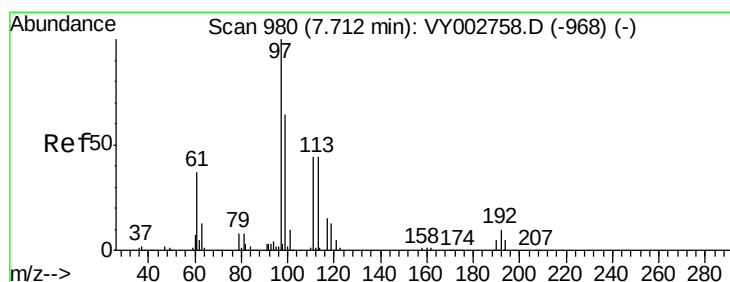
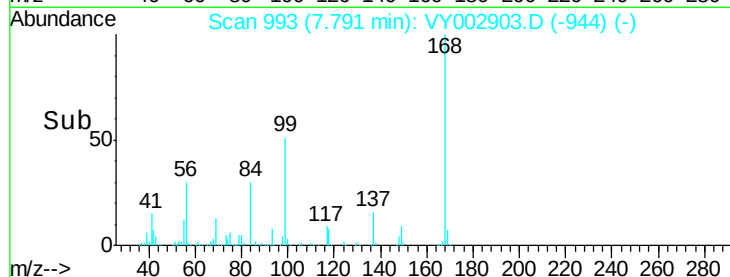
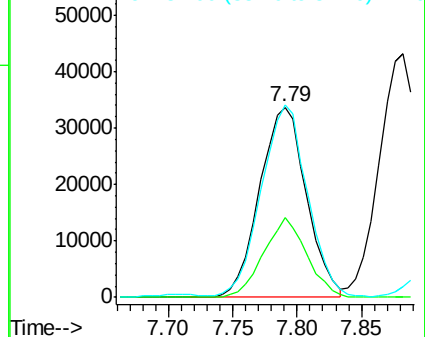


Abundance

Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 23.309 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

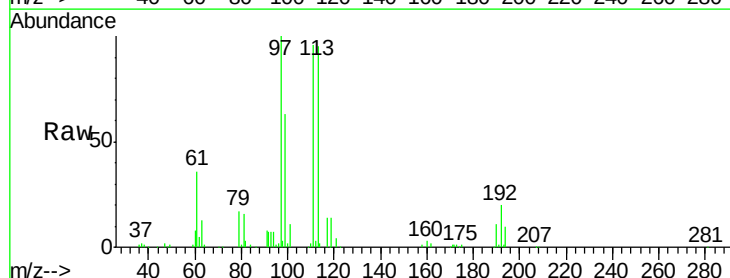
Tgt Ion: 97 Resp: 91559

Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.0

61 37.5 30.1 45.1

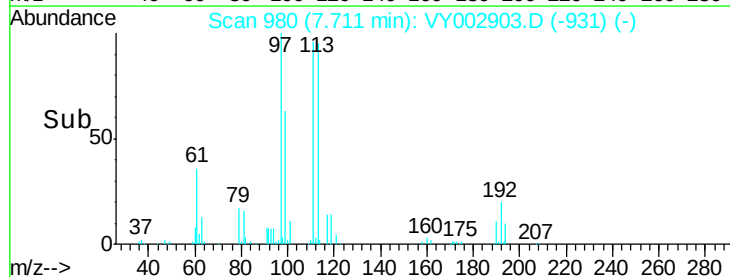
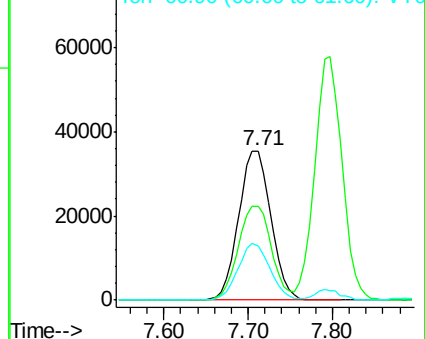


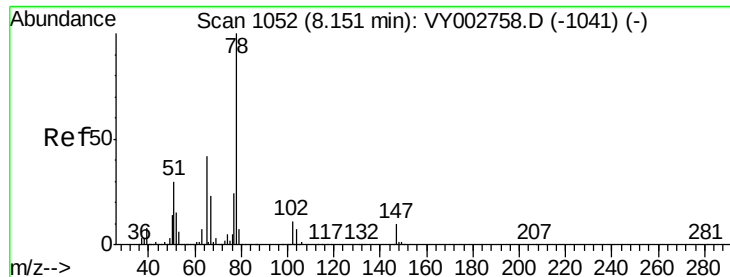
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





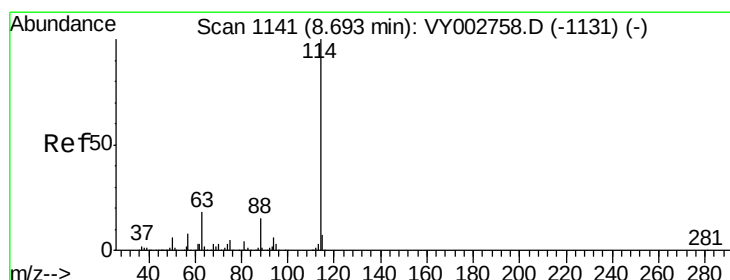
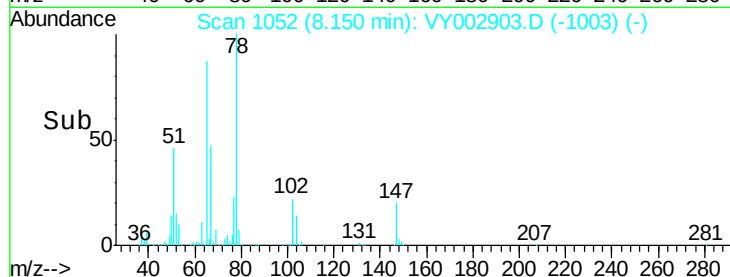
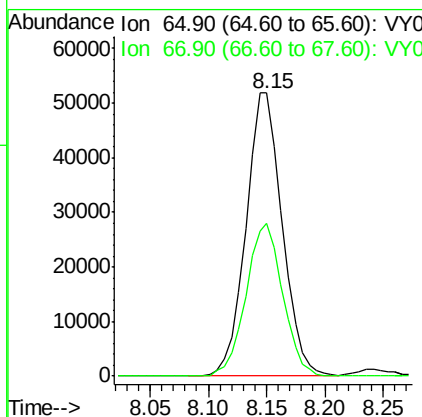
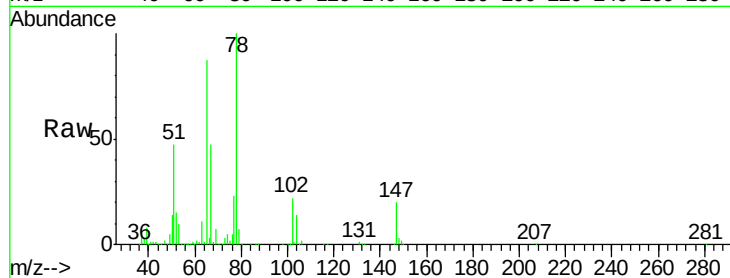
#33
 1,2-Dichloroethane-d4
 Concen: 48.214 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY002903.D
 Acq: 16 Jun 2020 12:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	112121		
67	54.5	0.0	111.0	

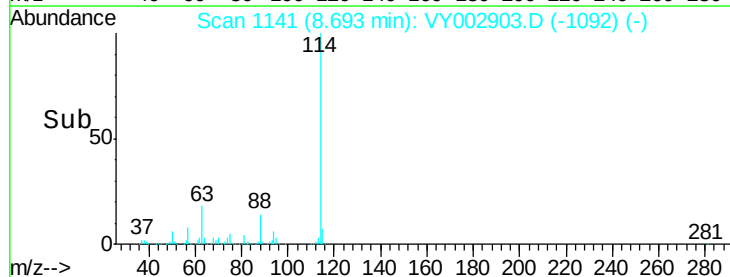
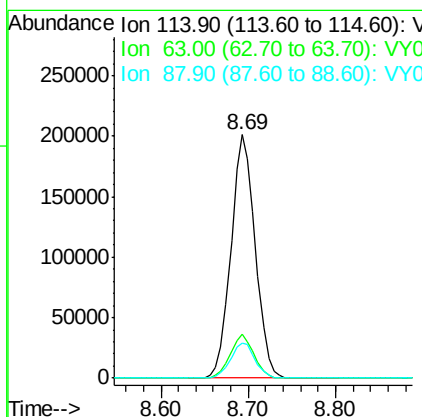
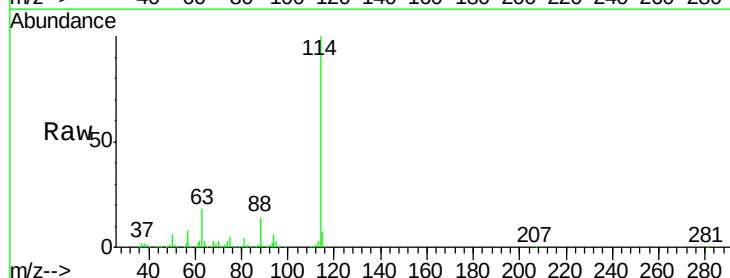
Manual Integrations
 APPROVED

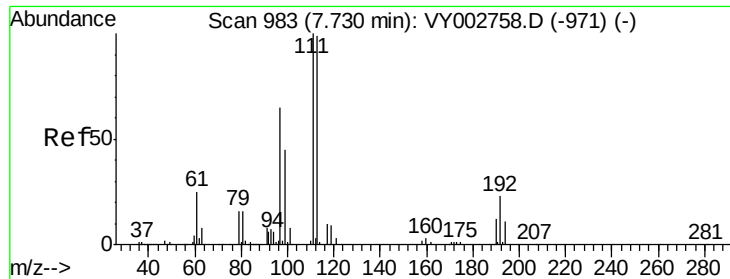
MMDadoda
 6/18/2020 11:14:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002903.D
 Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	386135		
63	18.2	0.0	35.2	
88	14.2	0.0	29.2	





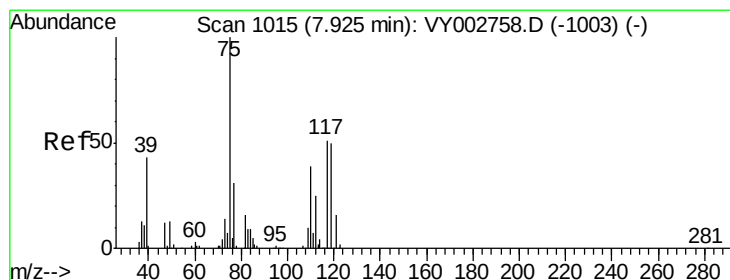
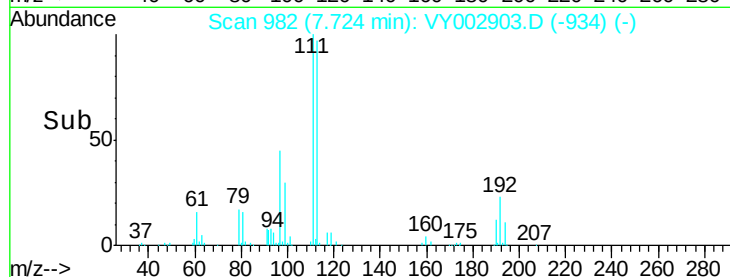
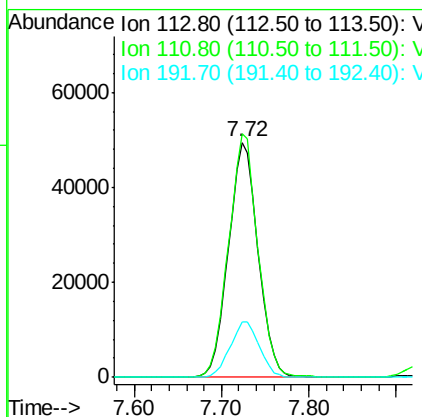
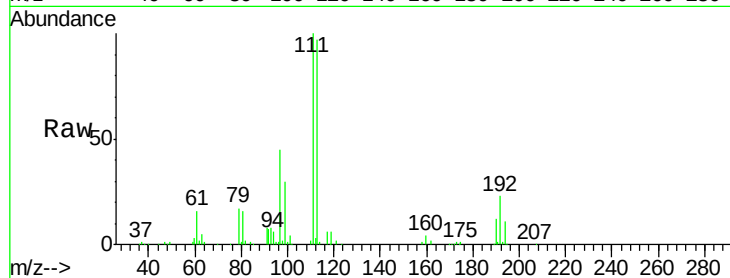
#35
 Dibromofluoromethane
 Concen: 51.451 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002903.D
 Acq: 16 Jun 2020 12:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	82.0	123.0	
192	23.5	18.9	28.3	

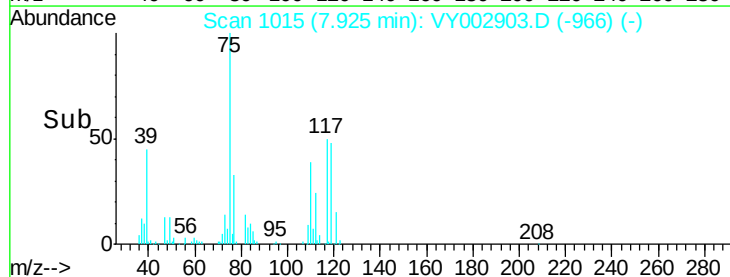
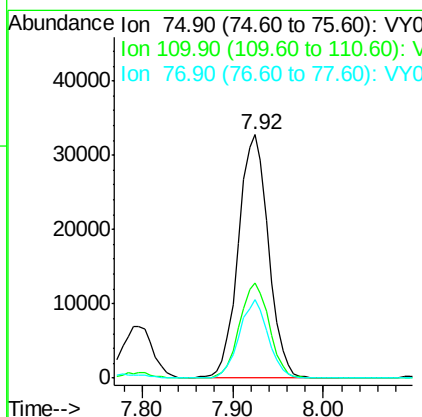
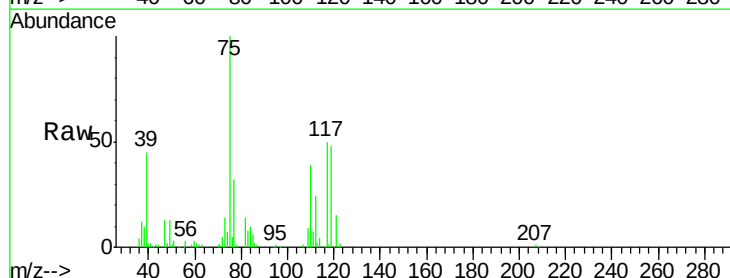
Manual Integrations
 APPROVED

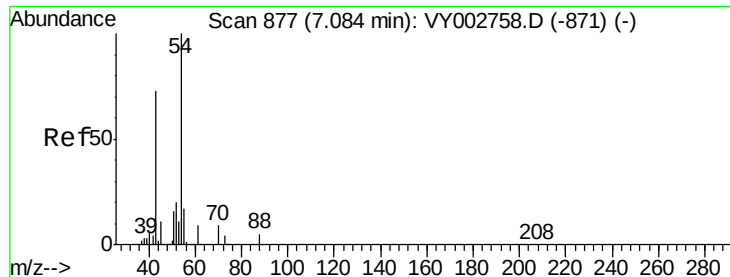
MMDadoda
 6/18/2020 11:14:22 AM



#36
 1,1-Dichloropropene
 Concen: 23.148 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY002903.D
 Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.5	19.3	57.9	
77	31.0	24.8	37.2	





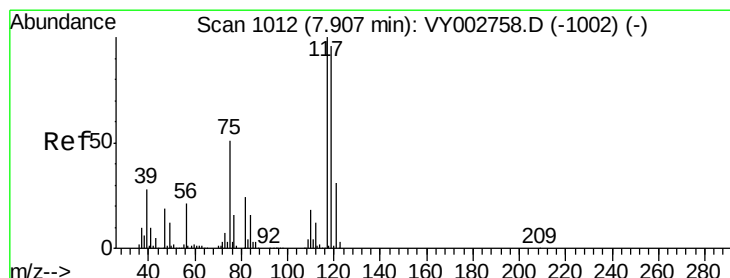
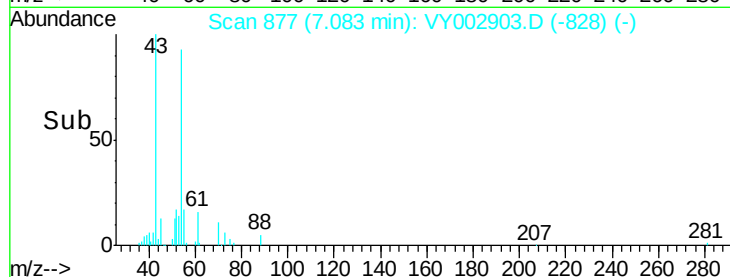
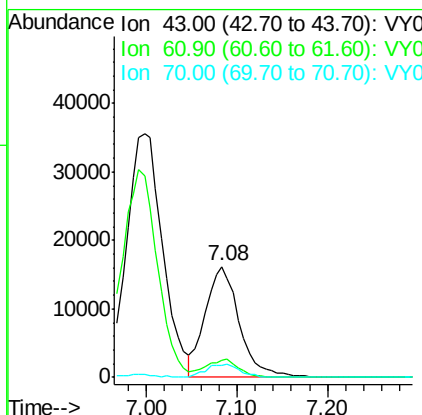
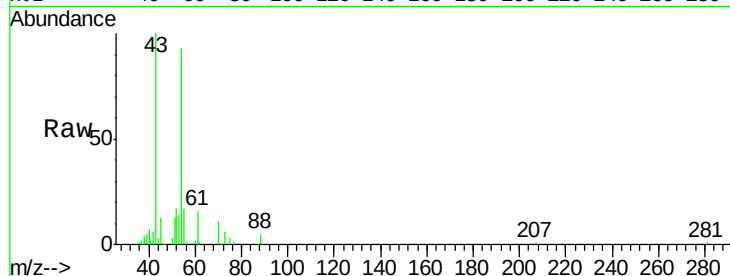
#37
Ethyl Acetate
Concen: 24.109 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.9	17.9
70	12.1	9.1	13.7

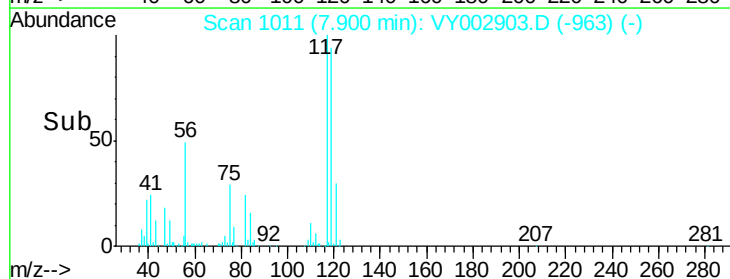
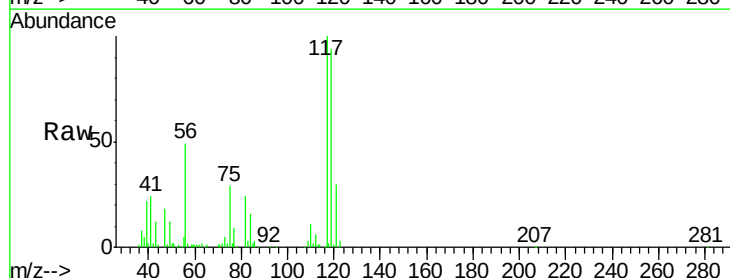
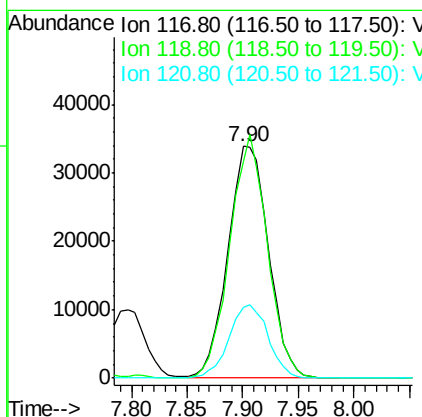
Manual Integrations
APPROVED

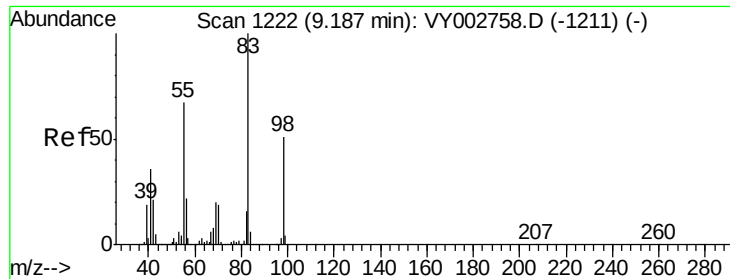
MMDadoda
6/18/2020 11:14:22 AM



#38
Carbon Tetrachloride
Concen: 23.716 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.8	115.2
121	30.4	24.8	37.2





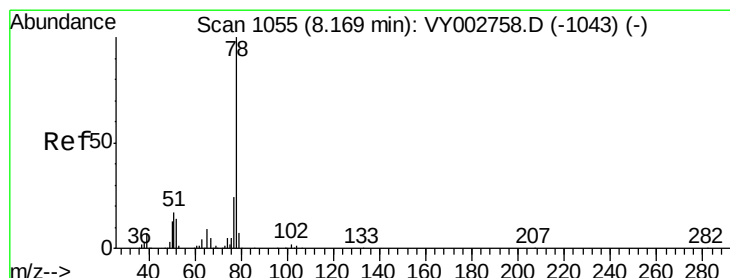
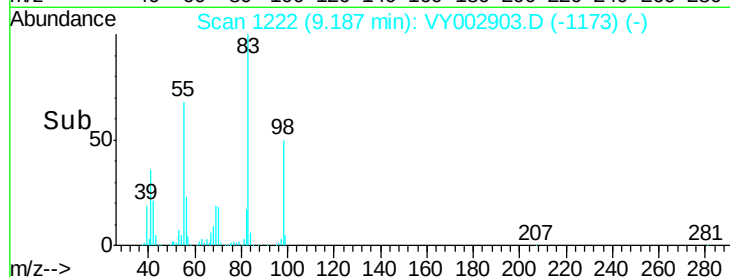
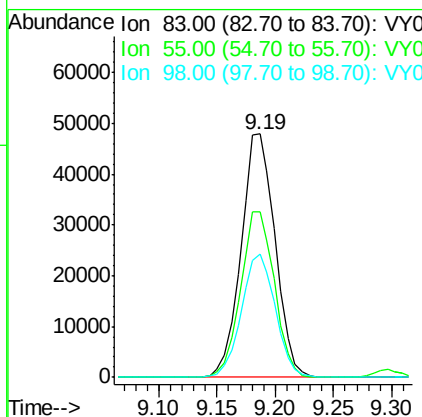
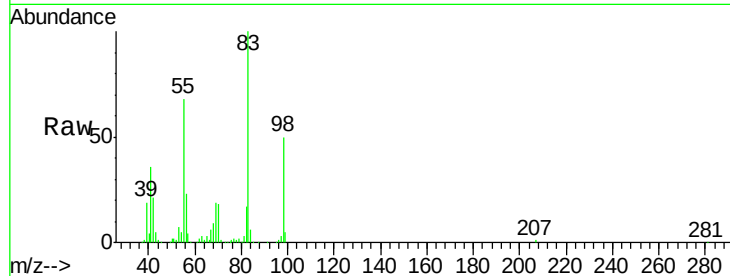
#39
Methylvlcyclohexane
Concen: 22.816 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	83	Resp	97819
Ion Ratio	100	Lower	Upper
83	100		
55	67.8	53.3	79.9
98	50.4	41.1	61.7

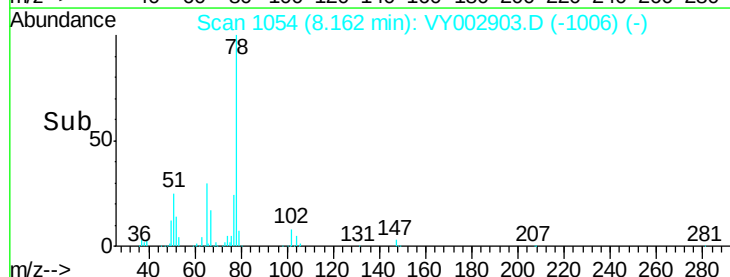
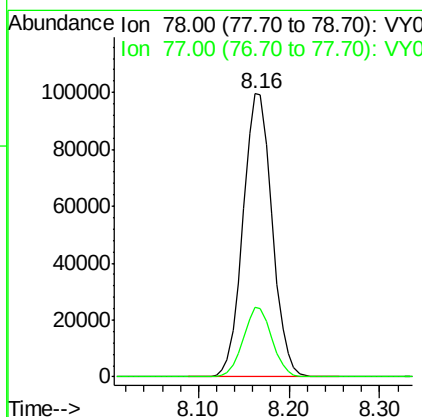
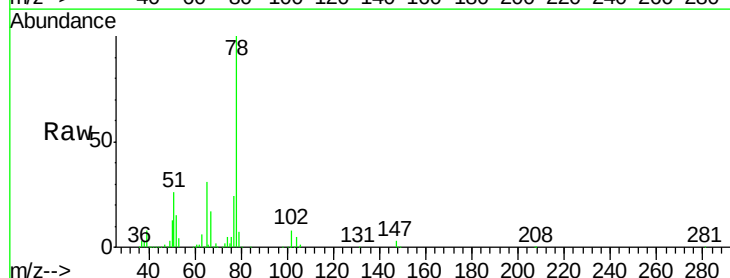
Manual Integrations
APPROVED

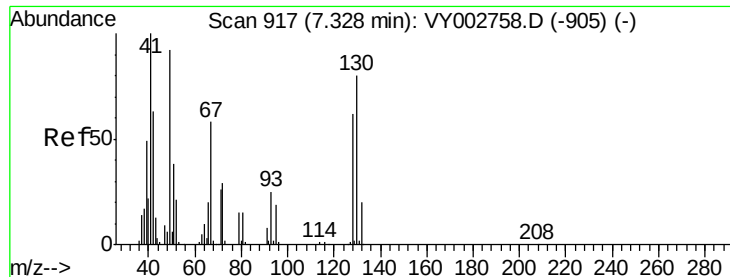
MMDadoda
6/18/2020 11:14:22 AM



#40
Benzene
Concen: 23.040 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Tgt Ion	78	Resp	221437
Ion Ratio	100	Lower	Upper
78	100		
77	24.4	18.8	28.2





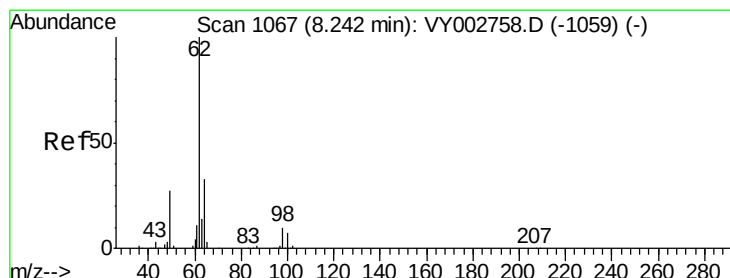
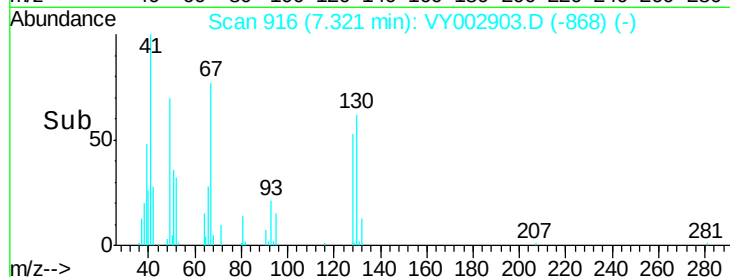
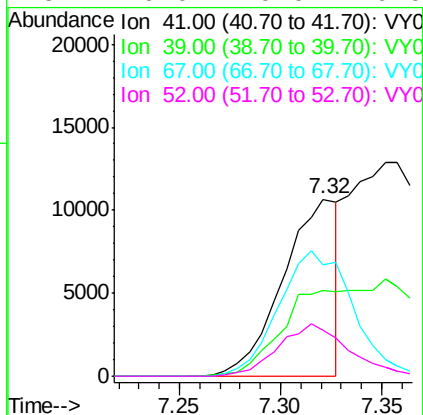
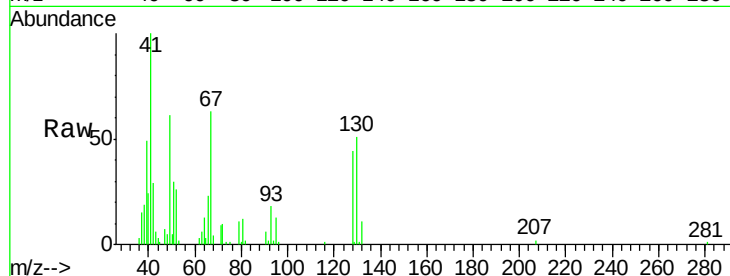
#41
Methacrylonitrile
Concen: 21.432 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	127.0	97.6	146.4
67	0.0	0.0	0.0
52	0.0	0.0	0.0

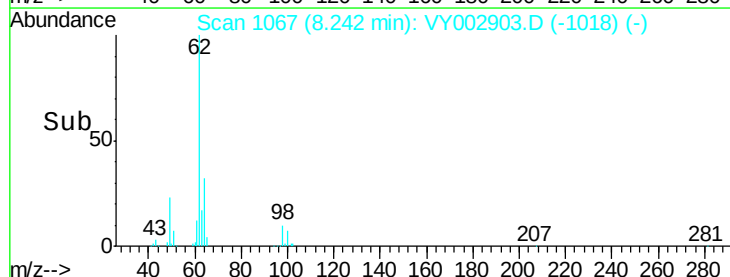
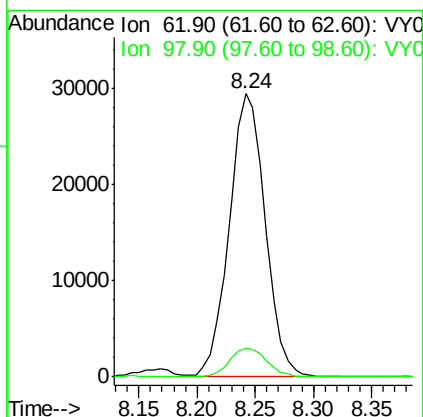
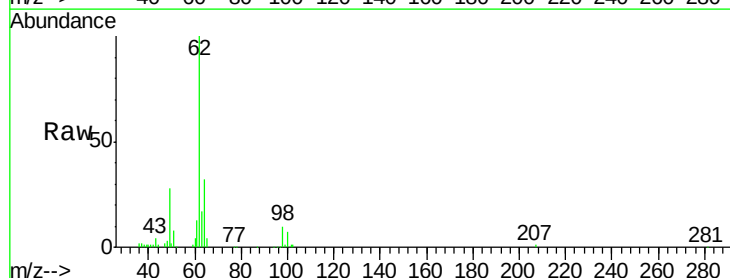
Manual Integrations
APPROVED

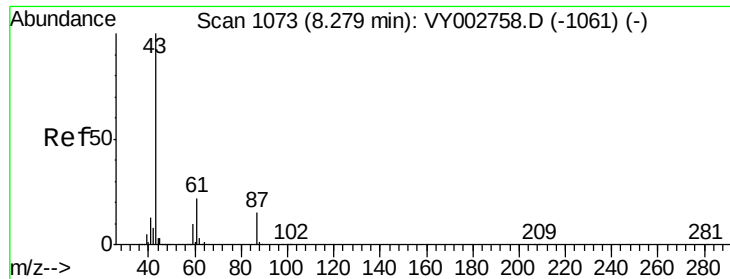
MMDadoda
6/18/2020 11:14:22 AM



#42
1,2-Dichloroethane
Concen: 23.481 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	22.6





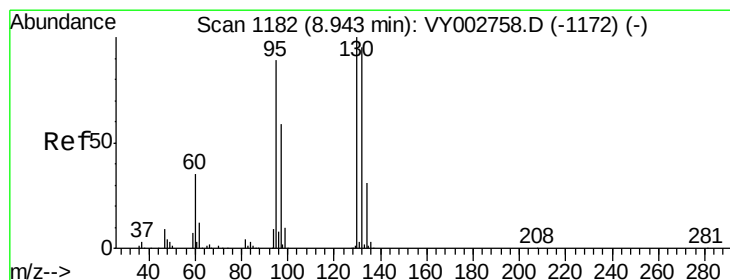
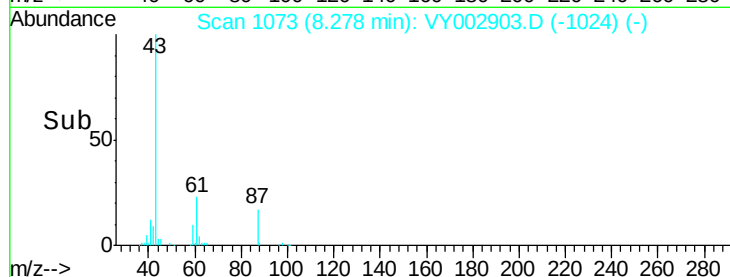
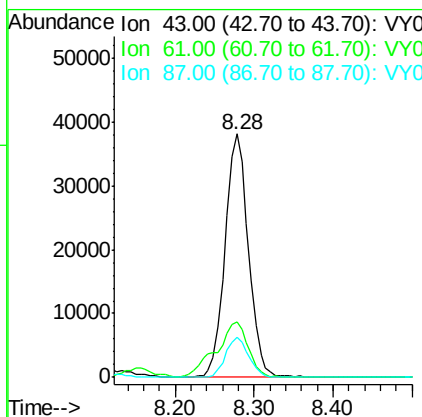
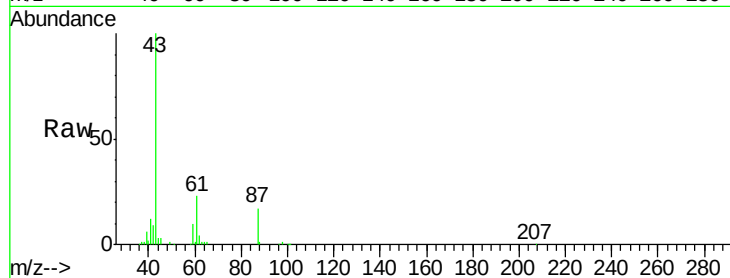
#43
Isopropyl Acetate
Concen: 23.405 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.2	24.8	37.2
87	16.4	12.4	18.6

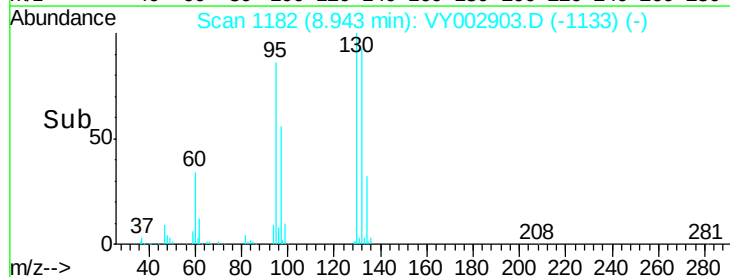
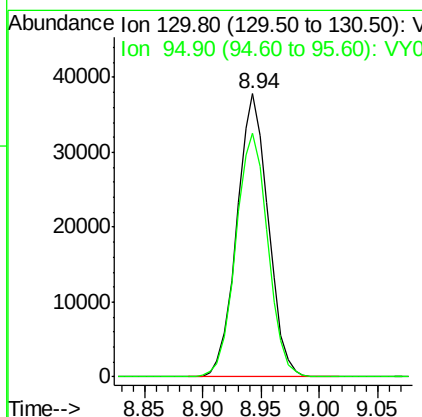
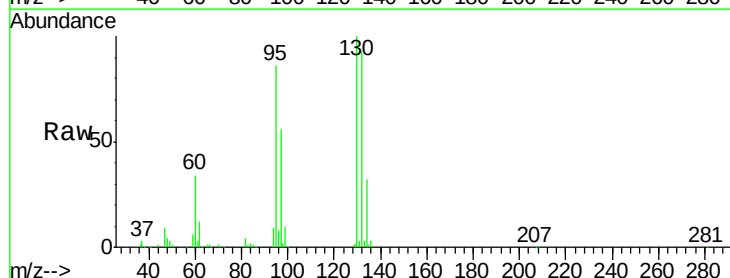
Manual Integrations
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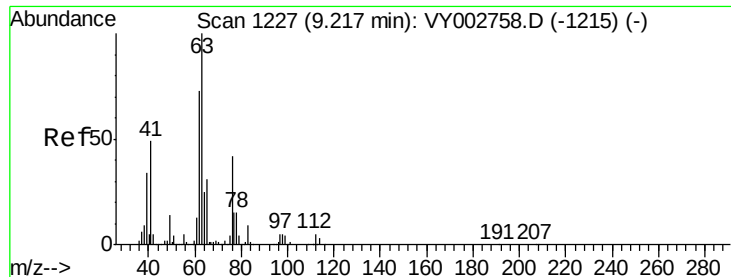
MMDadoda
6/18/2020 11:14:22 AM



#44
Trichloroethene
Concen: 23.357 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.0	0.0	178.8





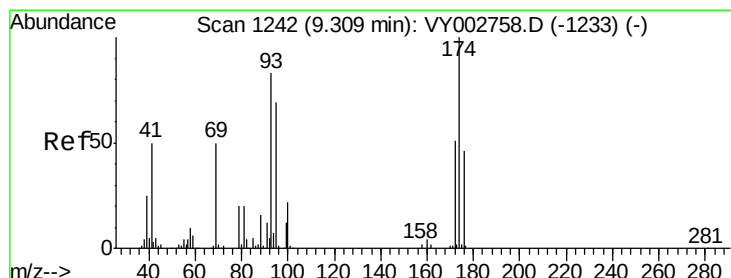
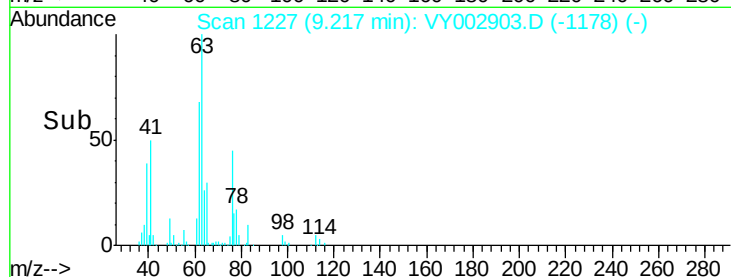
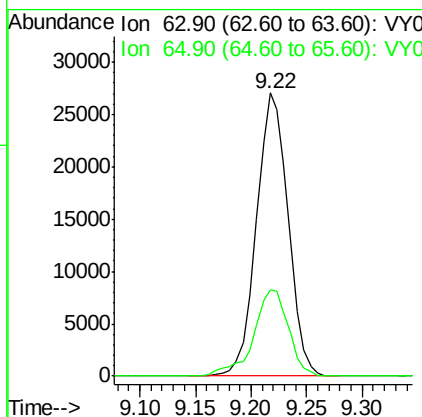
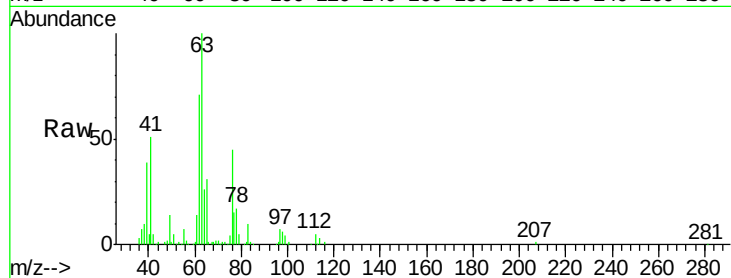
#45
 1,2-Dichloropropane
 Concen: 23.248 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY002903.D
 Acq: 16 Jun 2020 12:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.8	37.2

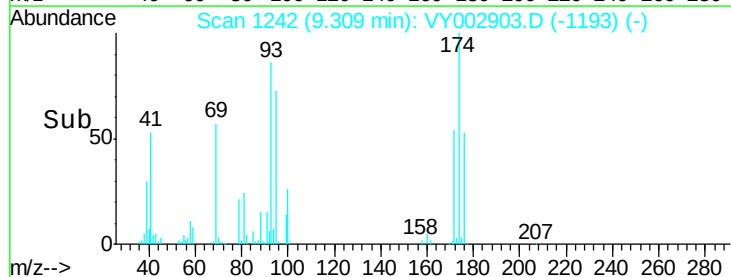
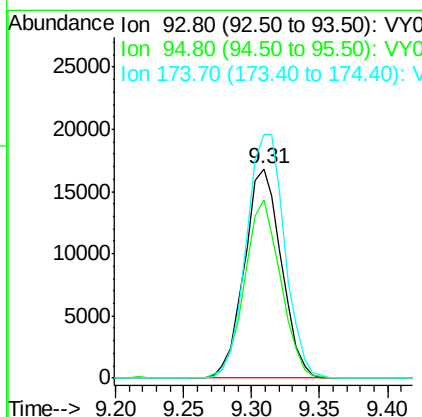
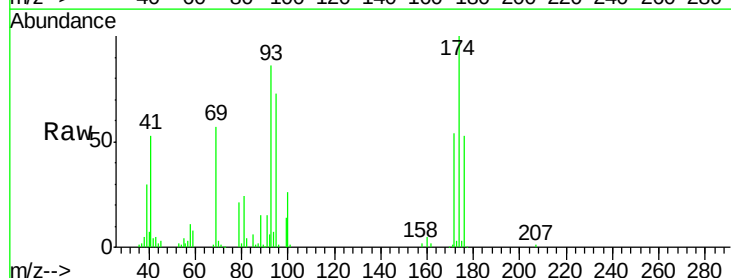
Manual Integrations
 APPROVED

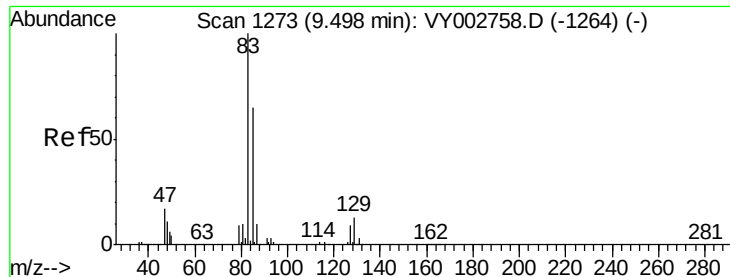
MMDadoda
 6/18/2020 11:14:22 AM



#46
 Dibromomethane
 Concen: 23.463 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY002903.D
 Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.9	100.3
174	121.0	97.7	146.5





#47

Bromodichloromethane

Concen: 23.736 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

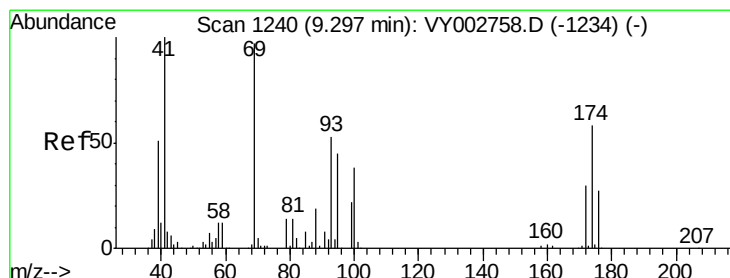
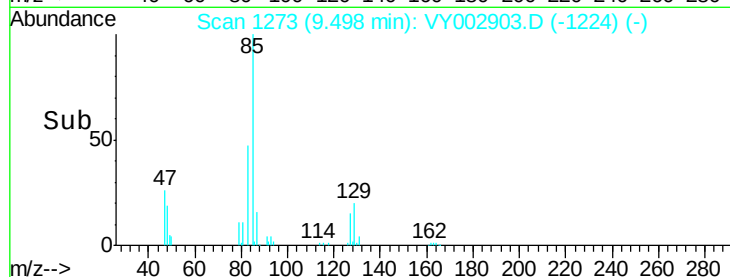
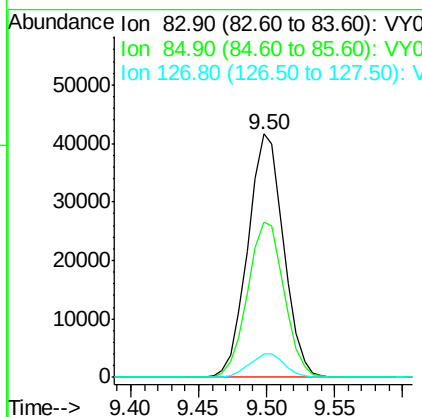
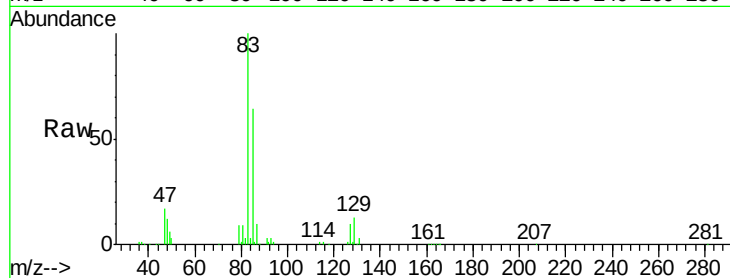
ClientSampleId :

VY0616SBS01

Tot Ion:	83	Resp:	76593
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.9	77.9
127	9.5	7.1	10.7

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 22.957 ug/l

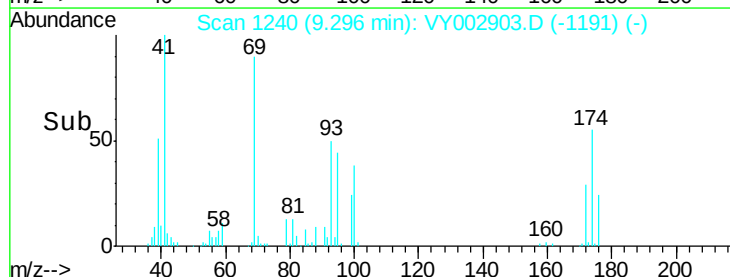
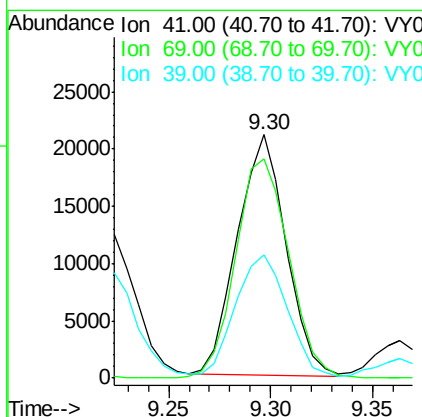
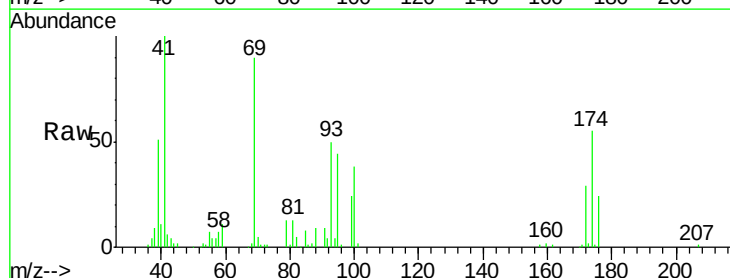
RT: 9.30 min Scan# 1240

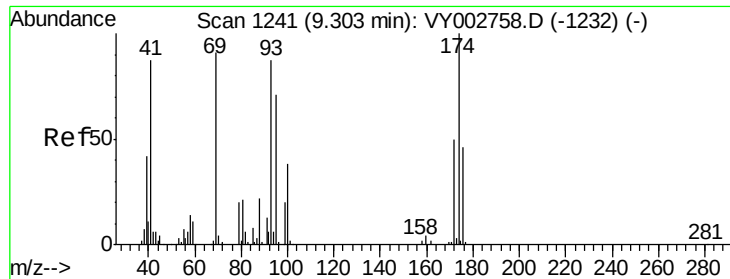
Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Tgt Ion:	41	Resp:	34755
Ion	Ratio	Lower	Upper
41	100		
69	100.0	79.7	119.5
39	55.3	43.3	64.9





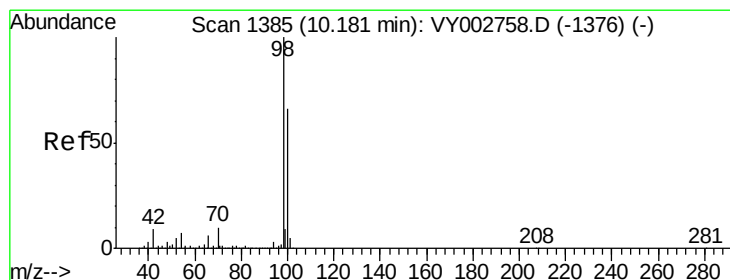
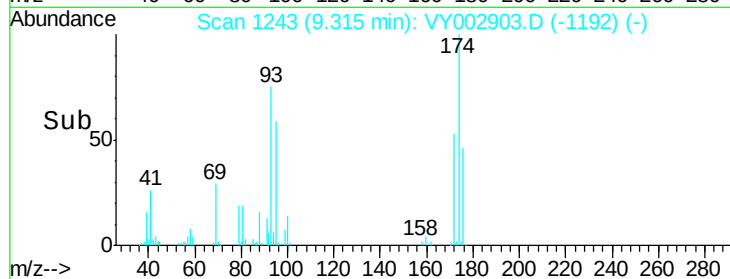
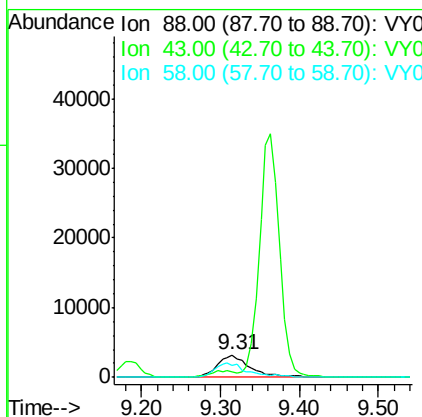
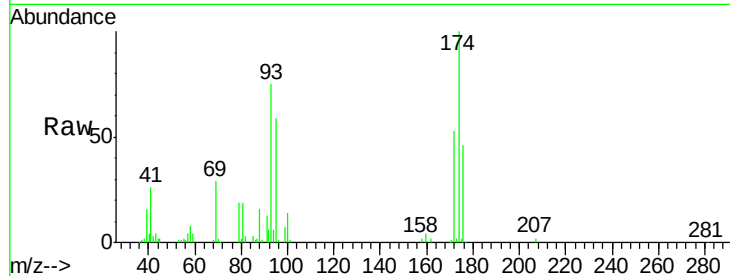
#49
1,4-Dioxane
Concen: 446.909 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	22.4	21.3	31.9
58	65.1	52.2	78.2

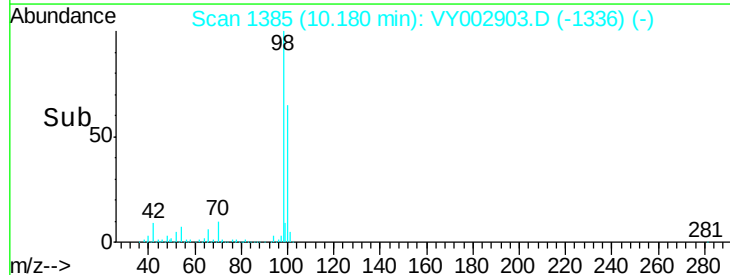
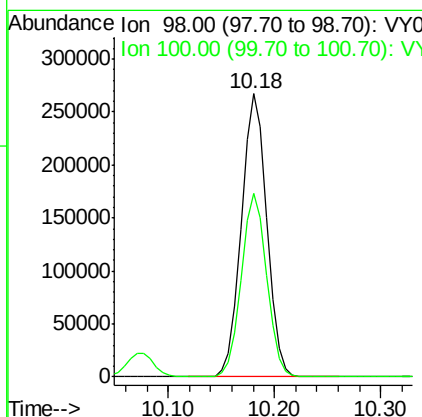
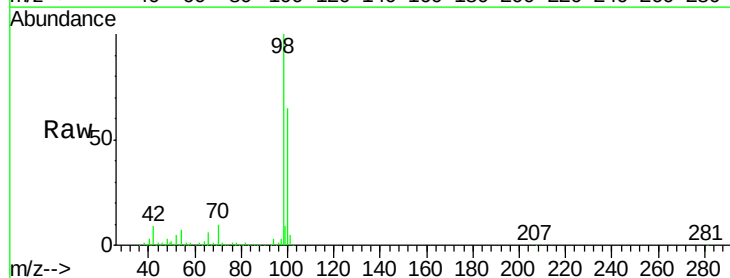
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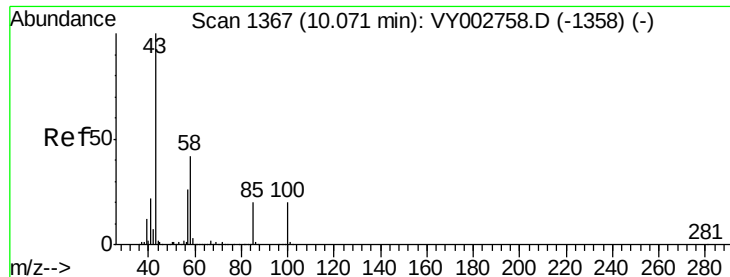
MMDadoda
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#50
Toluene-d8
Concen: 48.999 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2





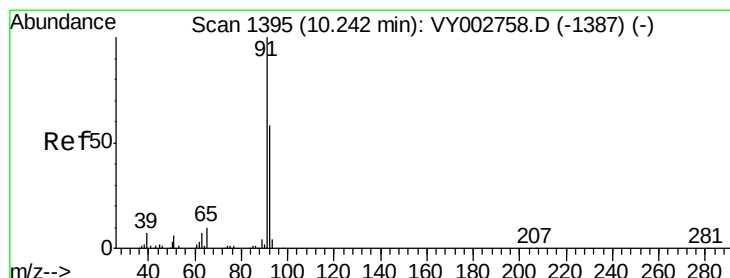
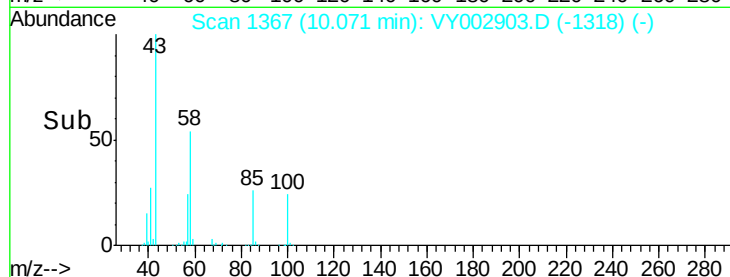
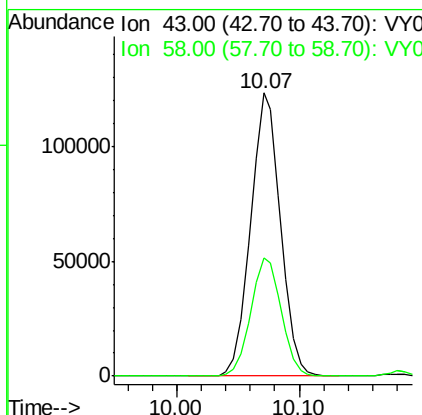
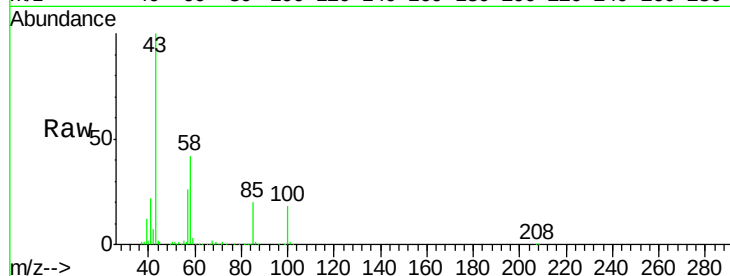
#51
4-Methyl-2-Pentanone
Concen: 117.817 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.7	34.2	51.2

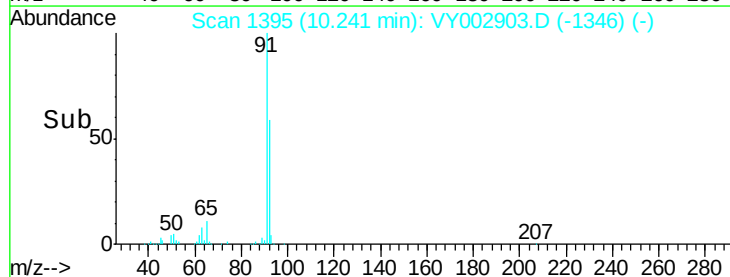
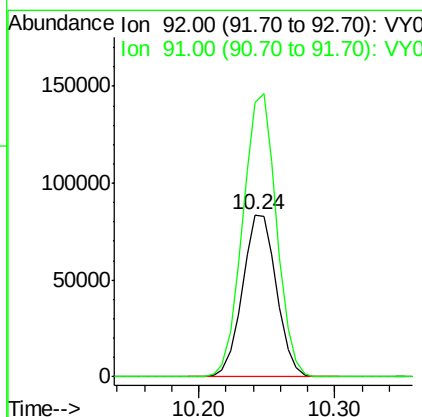
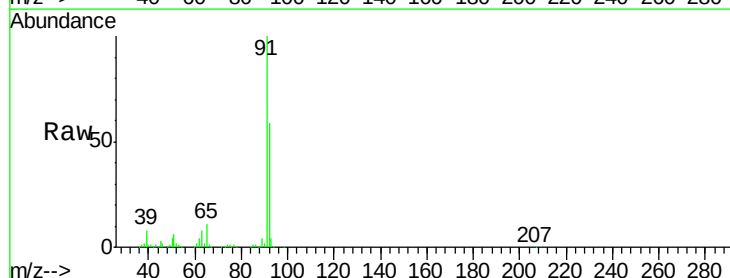
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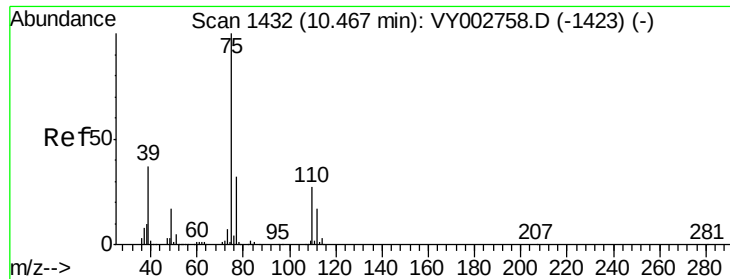
MMDadoda
6/18/2020 11:14:22 AM



#52
Toluene
Concen: 23.253 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.3	138.5	207.7





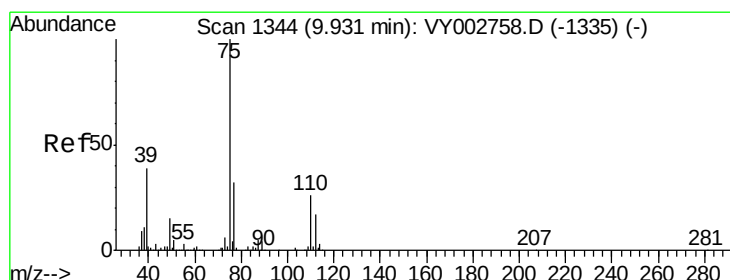
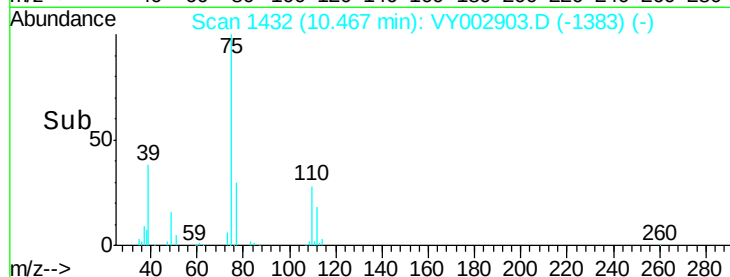
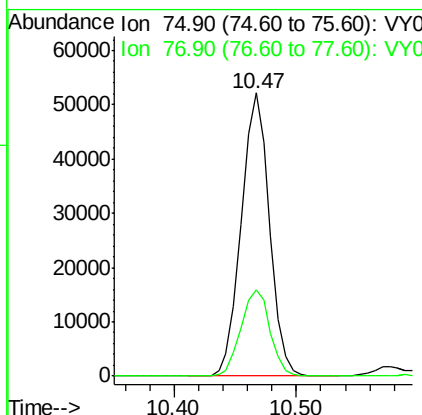
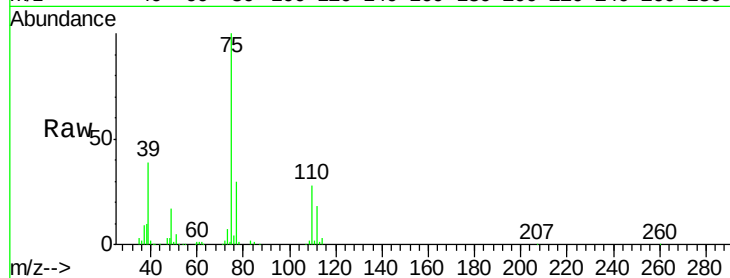
#53
t-1,3-Dichloropropene
Concen: 23.616 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.3	37.9

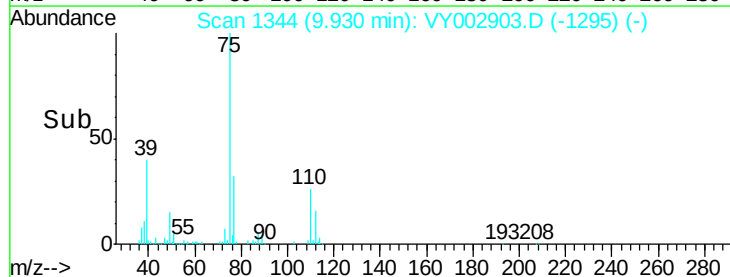
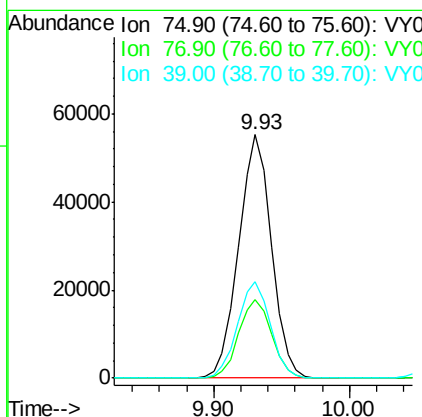
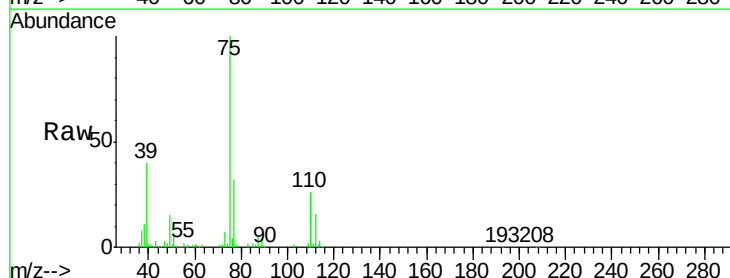
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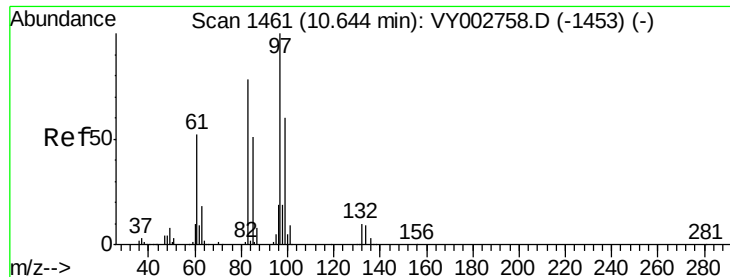
MMDadoda
6/18/2020 11:14:22 AM



#54
cis-1,3-Dichloropropene
Concen: 23.325 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.6	38.4
39	39.7	31.3	46.9





#55

1,1,2-Trichloroethane

Concen: 23.532 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

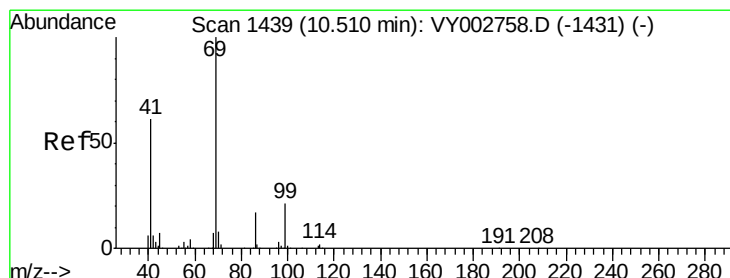
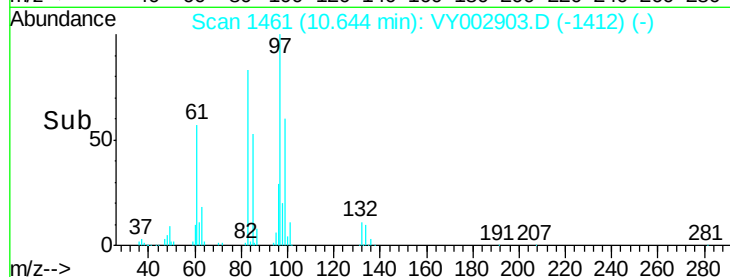
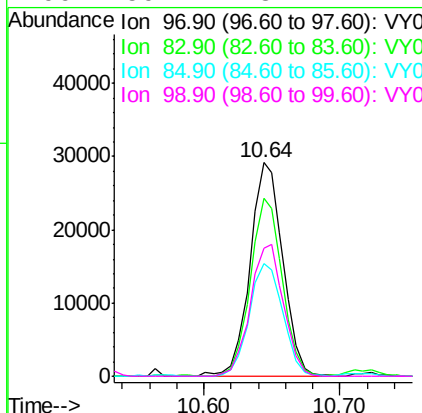
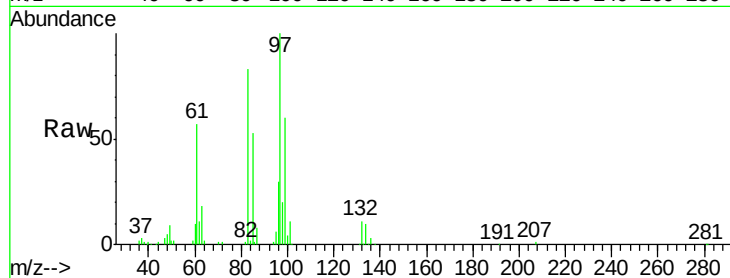
ClientSampleId :

VY0616SBS01

Tot Ion:	97	Resp:	49313
Ion	Ratio	Lower	Upper
97	100		
83	83.0	62.7	94.1
85	52.6	40.6	60.8
99	59.7	48.2	72.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 23.494 ug/l

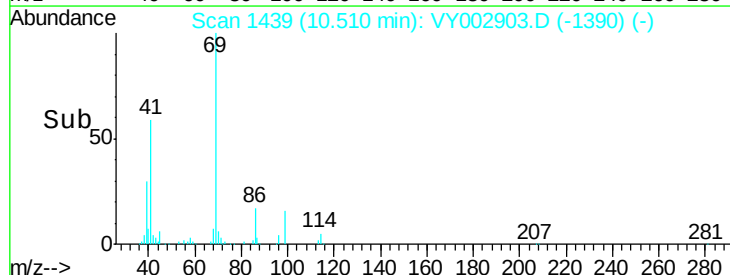
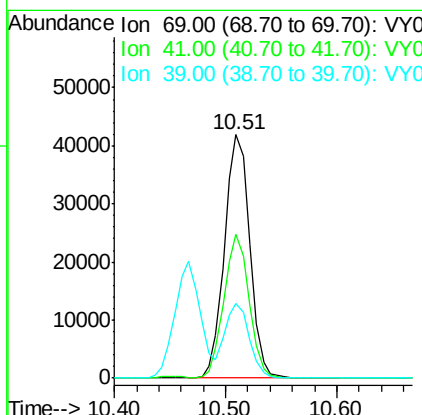
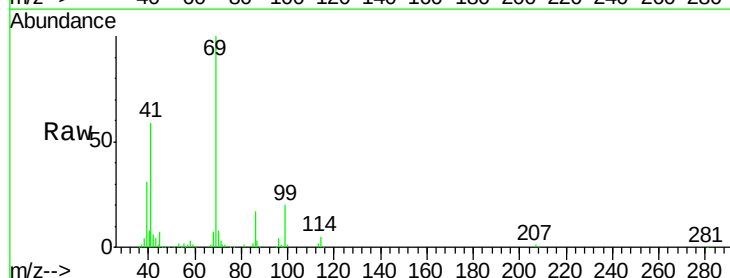
RT: 10.51 min Scan# 1439

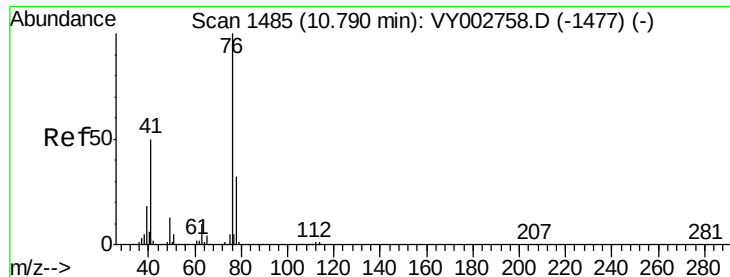
Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Tgt Ion:	69	Resp:	65946
Ion	Ratio	Lower	Upper
69	100		
41	58.0	47.0	70.4
39	29.2	22.0	33.0





#57

1,3-Dichloropropane

Concen: 23.432 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 76 Resp: 80765

Ion Ratio Lower Upper

76 100

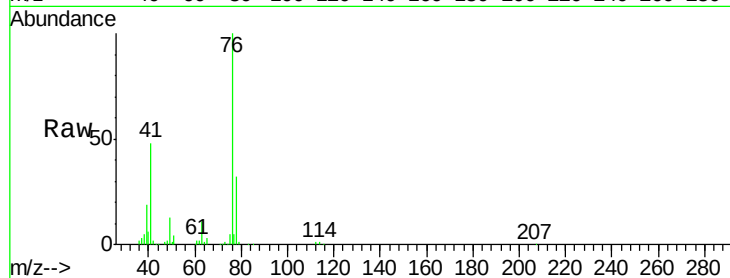
78 32.9 26.1 39.1

Manual Integrations

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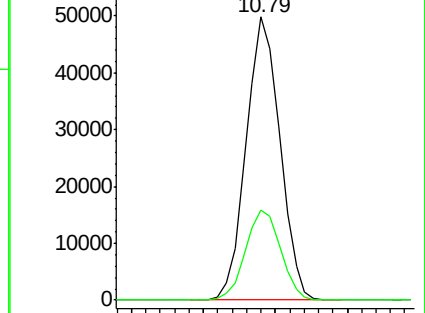
MMDadoda

6/18/2020 11:14:22 AM

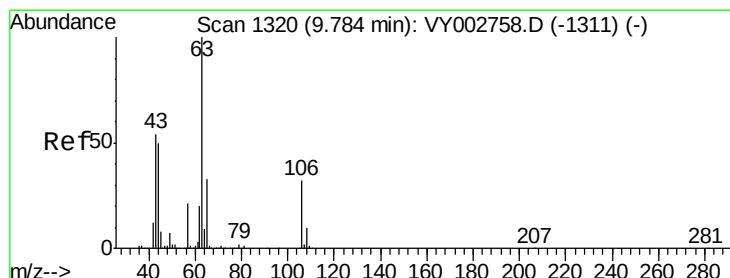
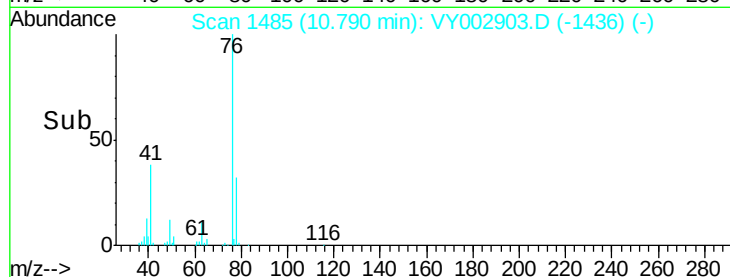


Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 112.477 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY002903.D

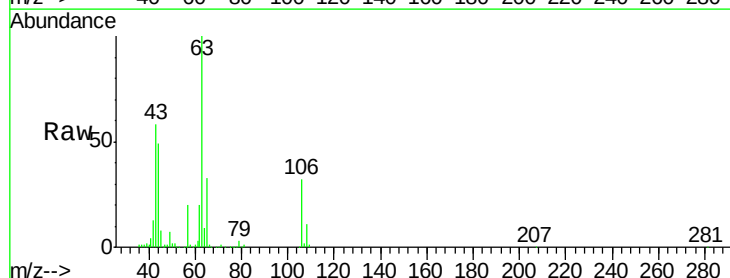
Acq: 16 Jun 2020 12:36

Tgt Ion: 63 Resp: 154265

Ion Ratio Lower Upper

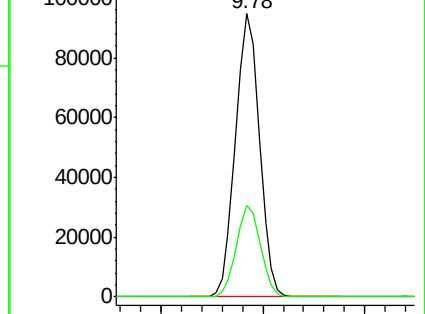
63 100

106 32.4 25.4 38.2

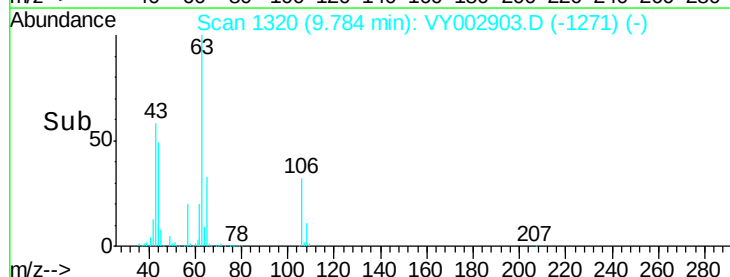


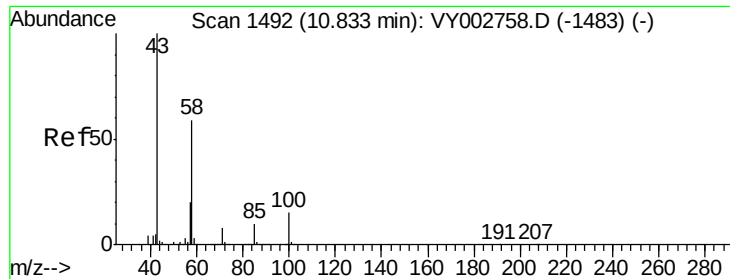
Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V



Time-->





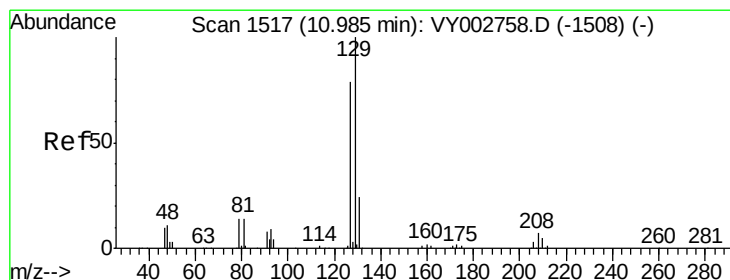
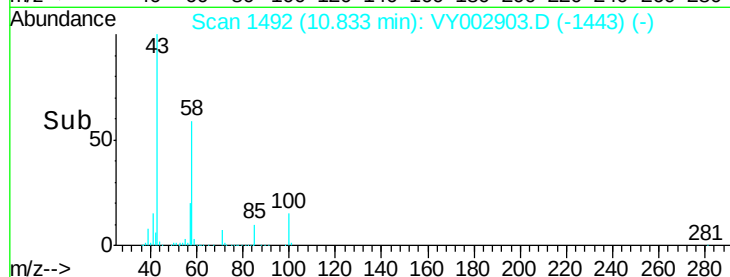
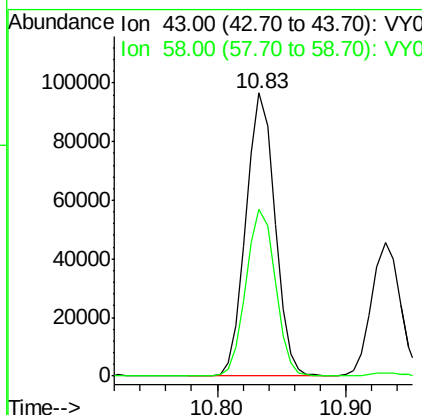
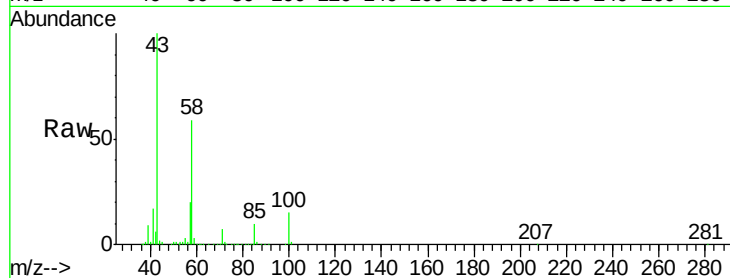
#59
2-Hexanone
Concen: 119.543 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion: 43 Resp: 150623
Ion Ratio Lower Upper
43 100
58 59.5 29.5 88.5

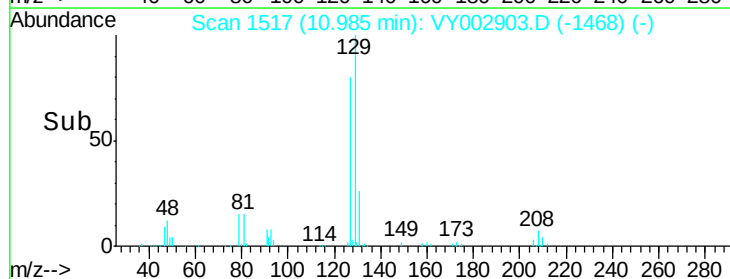
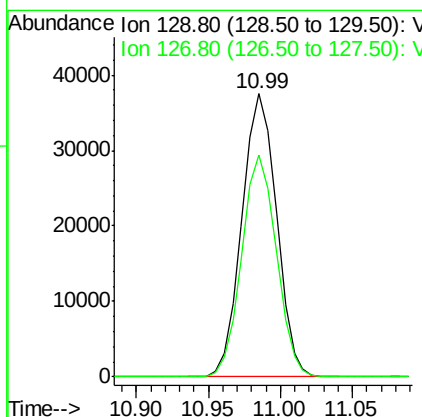
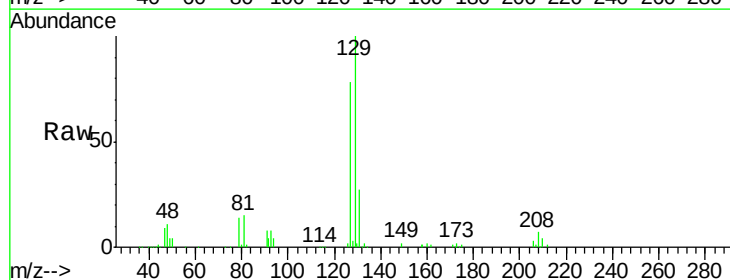
Manual Integrations
APPROVED

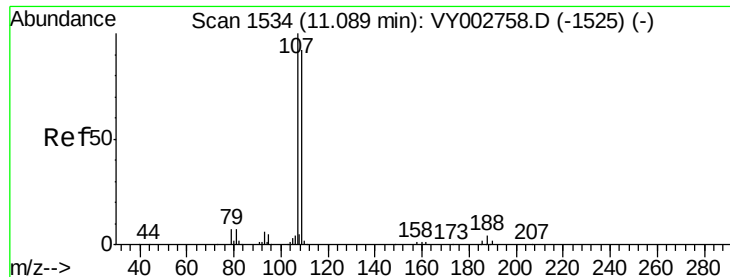
MMDadoda
6/18/2020 11:14:22 AM



#60
Dibromochloromethane
Concen: 23.577 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Tgt Ion: 129 Resp: 62641
Ion Ratio Lower Upper
129 100
127 78.3 38.5 115.3





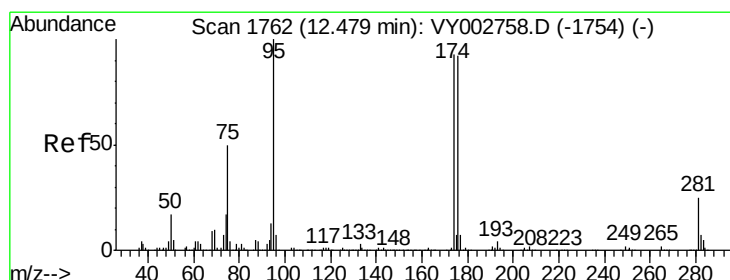
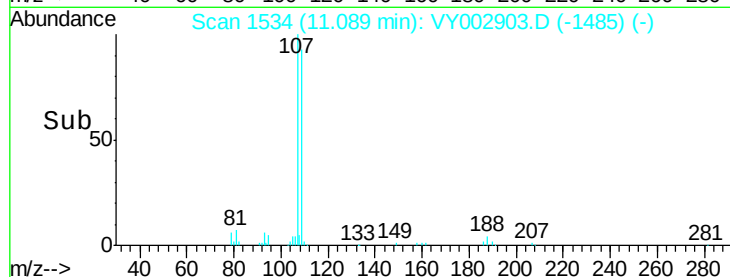
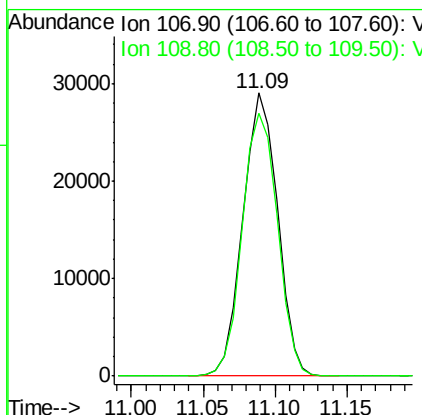
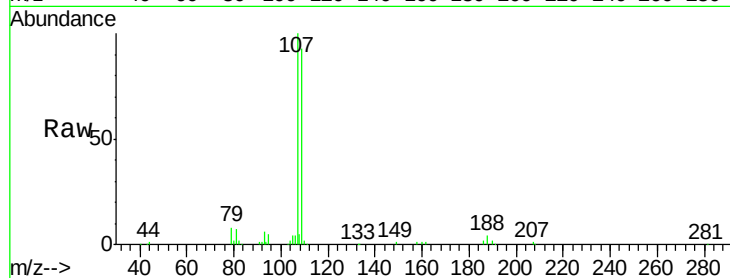
#61
 1,2-Dibromoethane
 Concen: 23.461 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY002903.D
 Acq: 16 Jun 2020 12:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Tot Ion: 107 Resp: 48499
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.6 113.4

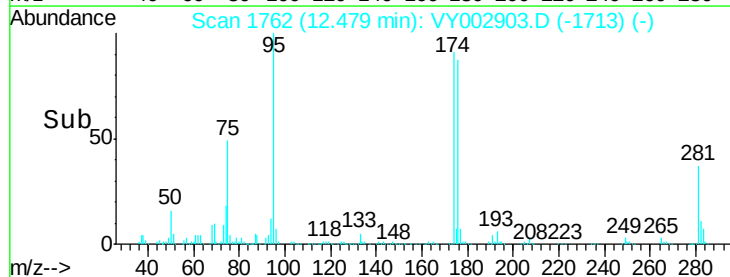
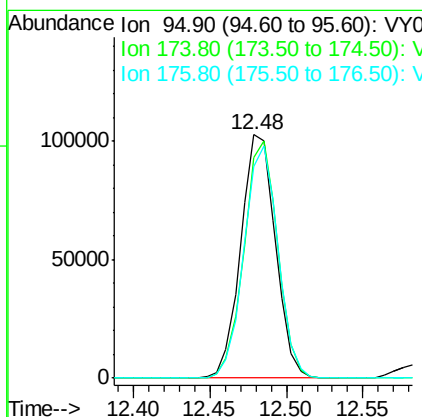
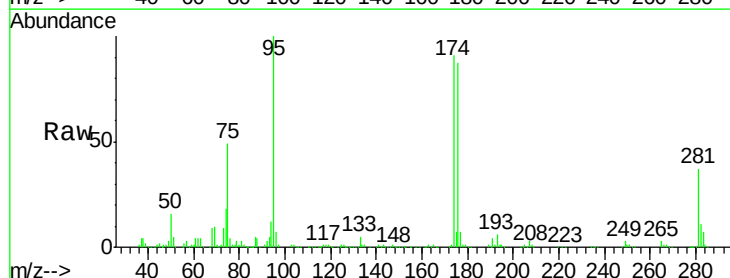
Manual Integrations
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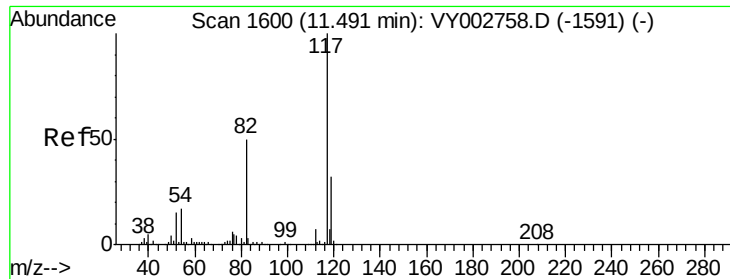
MMDadoda
 6/18/2020 11:14:22 AM



#62
 4-Bromofluorobenzene
 Concen: 51.744 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY002903.D
 Acq: 16 Jun 2020 12:36

Tgt Ion: 95 Resp: 161799
 Ion Ratio Lower Upper
 95 100
 174 94.8 0.0 191.2
 176 93.4 0.0 188.8





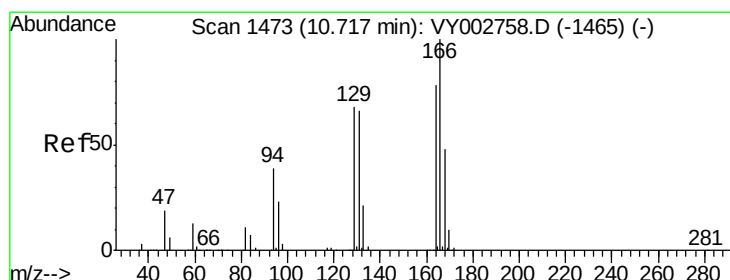
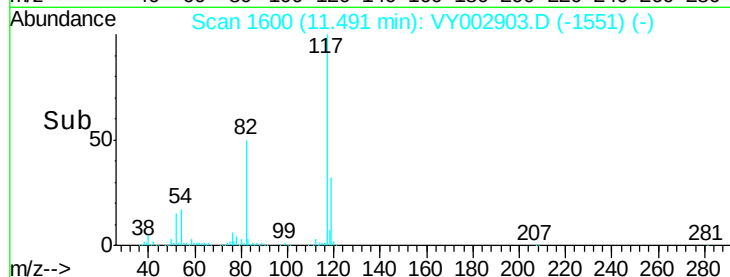
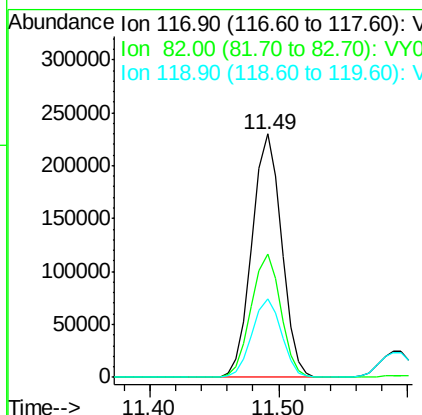
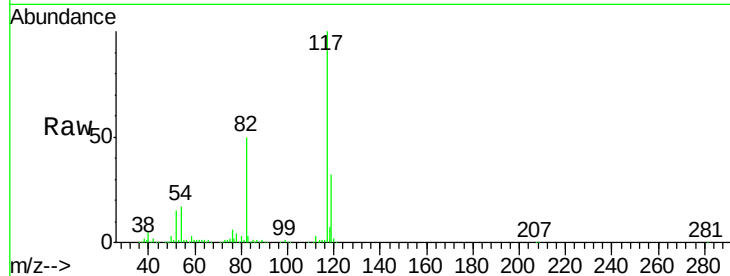
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	363563		
82	50.5		40.2	60.4
119	32.3		25.8	38.8

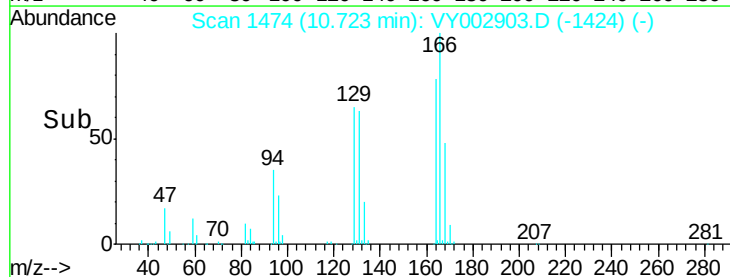
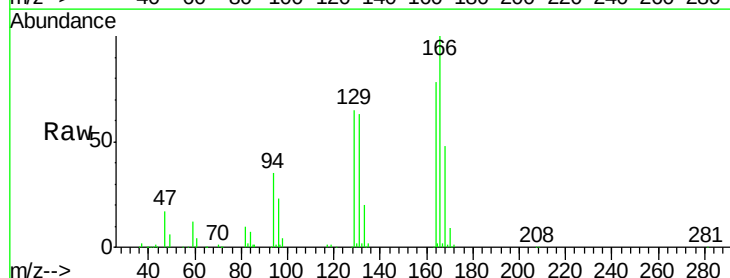
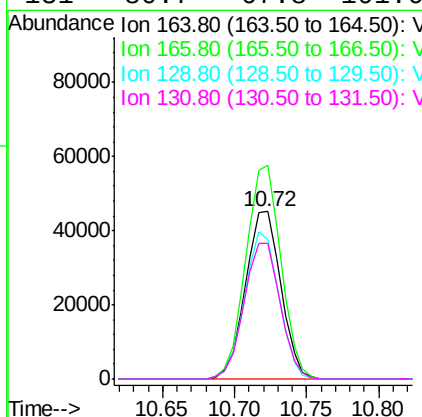
Manual Integrations
APPROVED

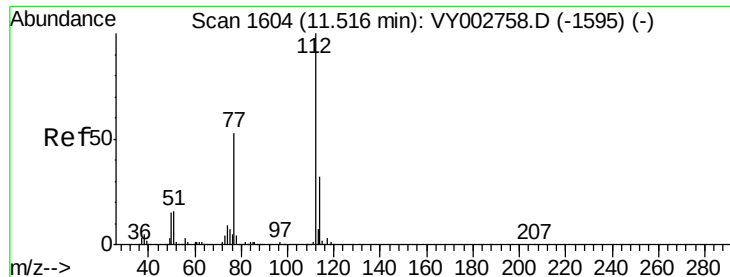
MMDadoda
6/18/2020 11:14:22 AM



#64
Tetrachloroethene
Concen: 23.210 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	76692		
166	127.5		102.3	153.5
129	83.0		69.4	104.2
131	80.7		67.8	101.6





#65

Chlorobenzene

Concen: 23.058 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion:112 Resp: 165690

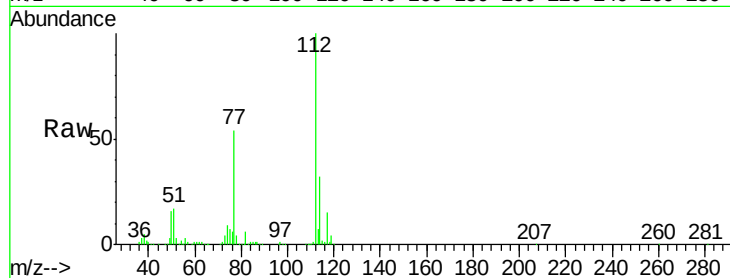
Ion Ratio Lower Upper

112 100

114 32.2 25.7 38.5

Manual Integrations
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6/18/2020 11:14:22 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

120000

100000

80000

60000

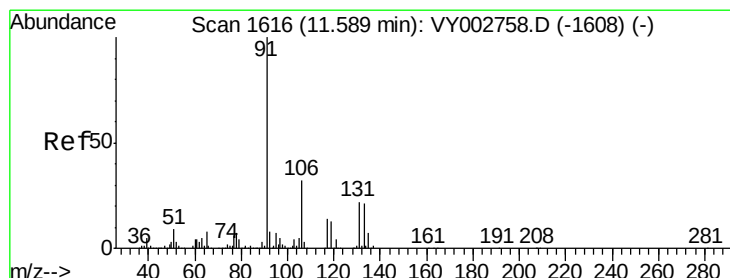
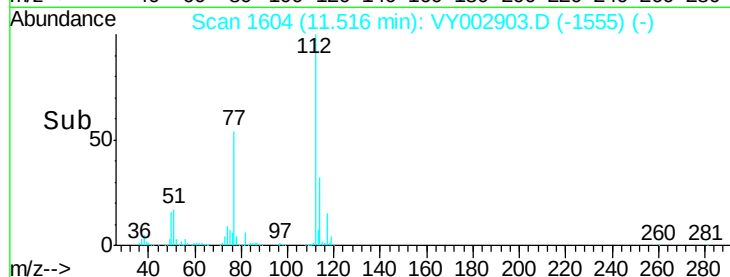
40000

20000

0

11.50 11.52 11.54 11.56 11.58 11.60

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 23.574 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

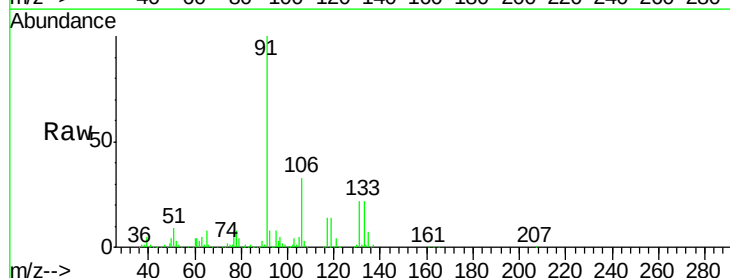
Tgt Ion:131 Resp: 63798

Ion Ratio Lower Upper

131 100

133 95.2 47.6 142.8

119 64.0 31.7 95.1



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

50000

40000

30000

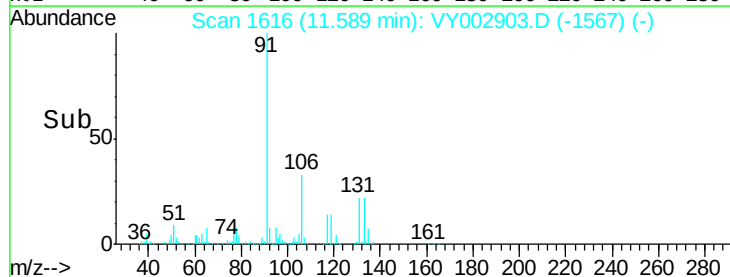
20000

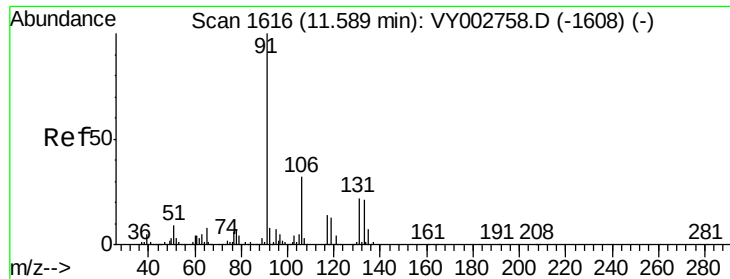
10000

0

11.55 11.57 11.59 11.61 11.63 11.65

Time-->





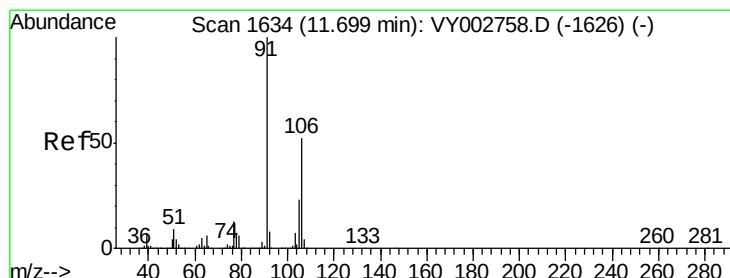
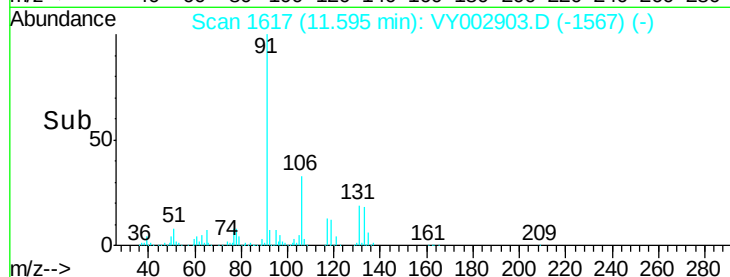
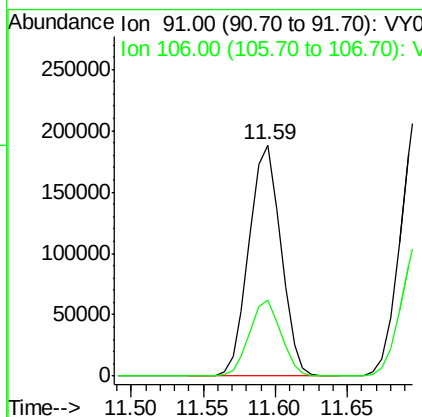
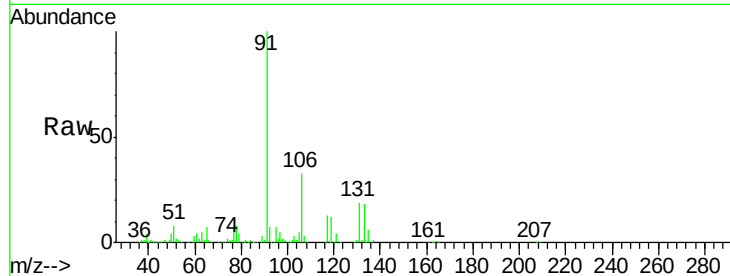
#67
Ethyl Benzene
Concen: 23.267 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.9	25.7	38.5

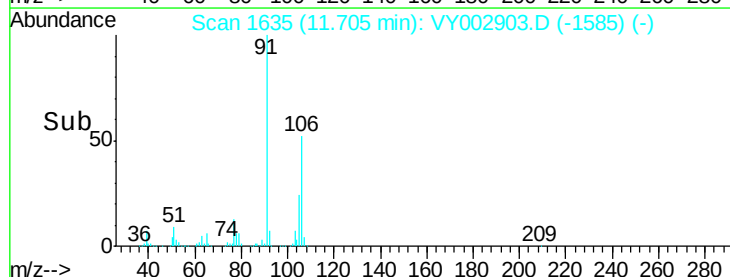
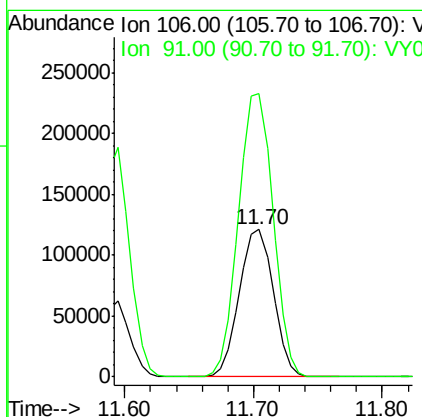
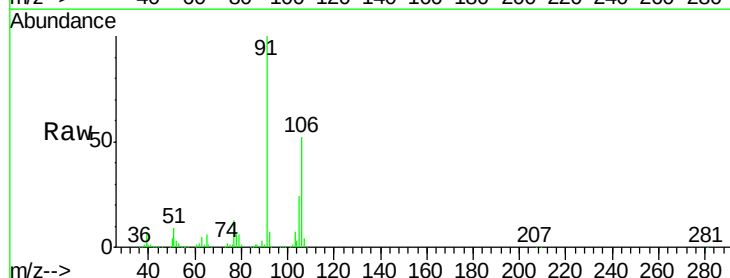
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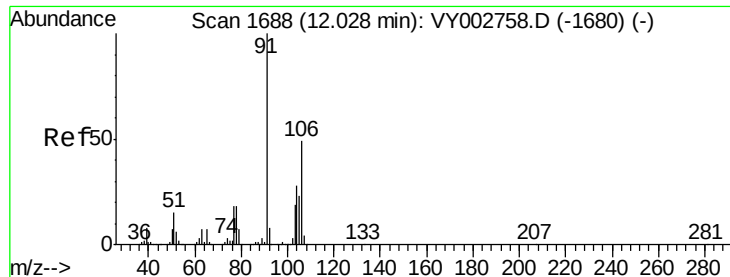
MMDadoda
6/18/2020 11:14:22 AM



#68
m/p-Xylenes
Concen: 46.235 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
106	100		
91	195.3	156.0	234.0





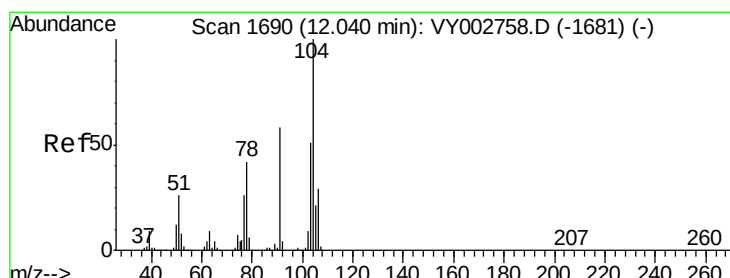
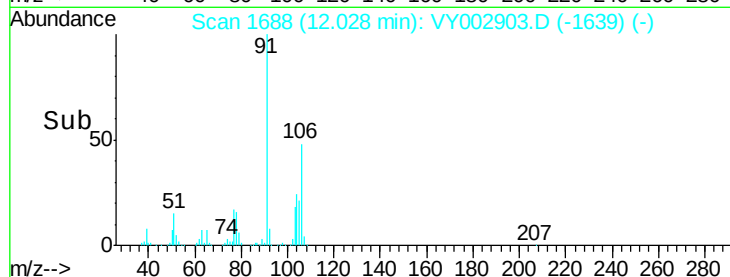
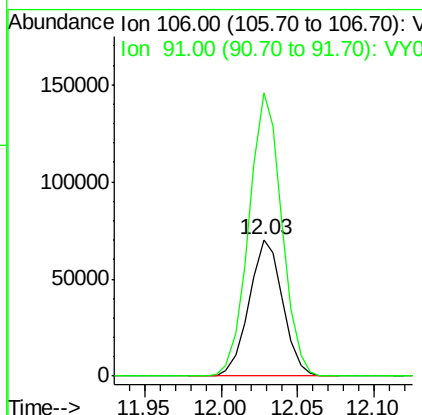
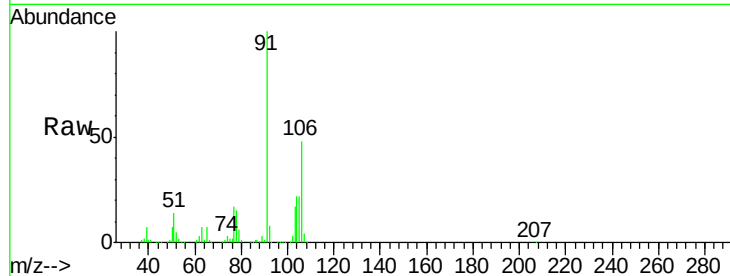
#69
o-Xylene
Concen: 23.405 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	106718		
91	91	204.4	102.4	307.1	

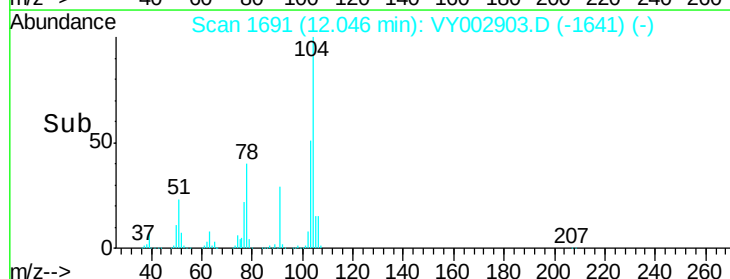
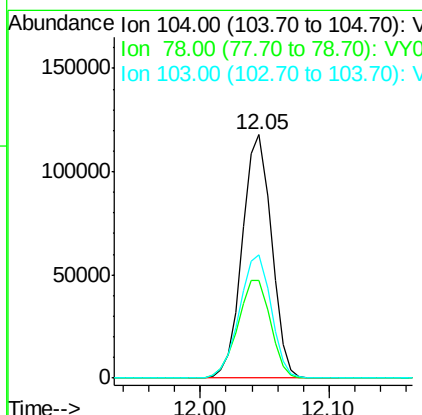
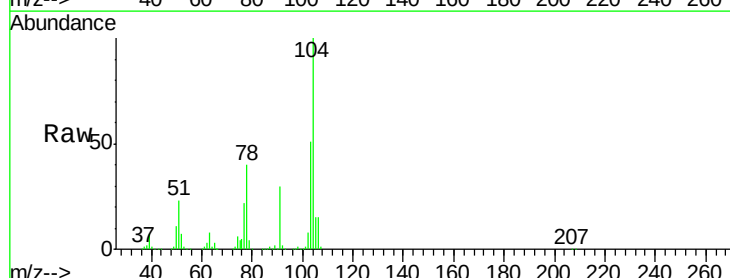
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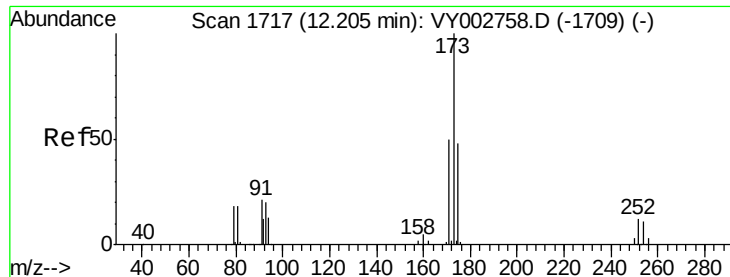
MMDadoda
6/18/2020 11:14:22 AM



#70
Styrene
Concen: 23.400 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	184966		
78	78	45.0	36.2	54.4	
103	103	54.9	43.6	65.4	





#71

Bromoform

Concen: 23.975 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion:173 Resp: 43416

Ion Ratio Lower Upper

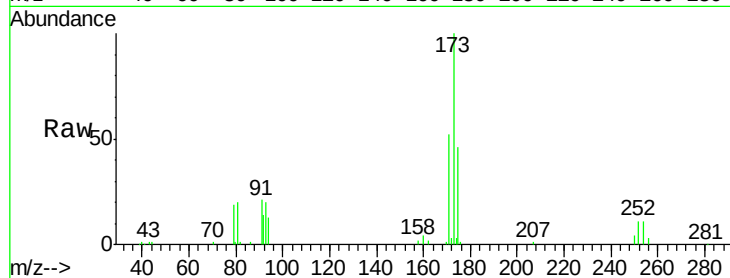
173 100

175 46.9 24.3 72.8

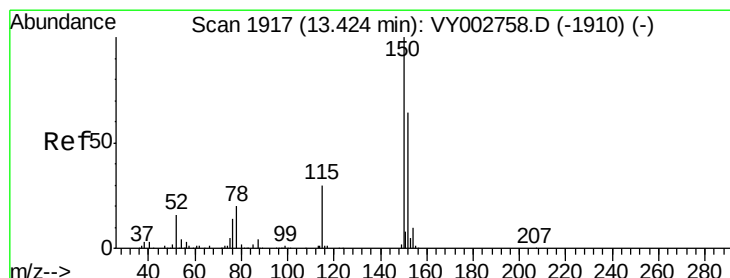
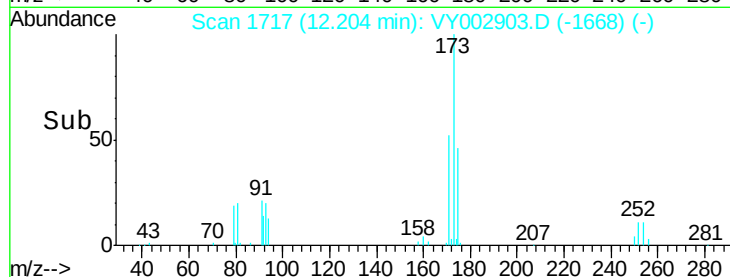
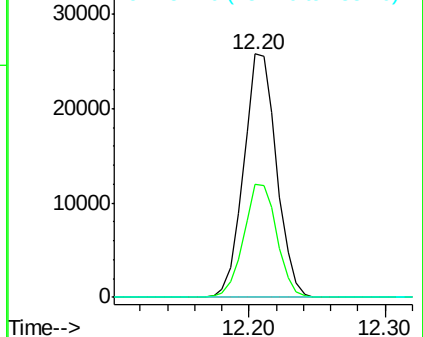
254 0.1 0.1 0.1

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

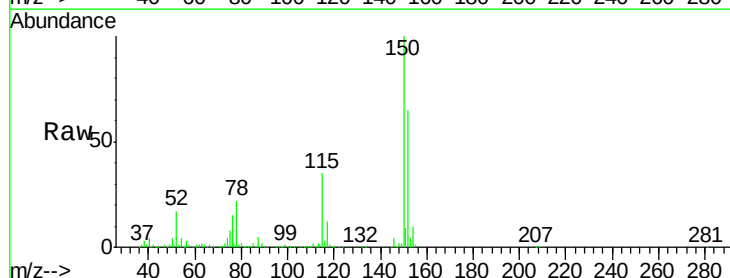
Tgt Ion:152 Resp: 203134

Ion Ratio Lower Upper

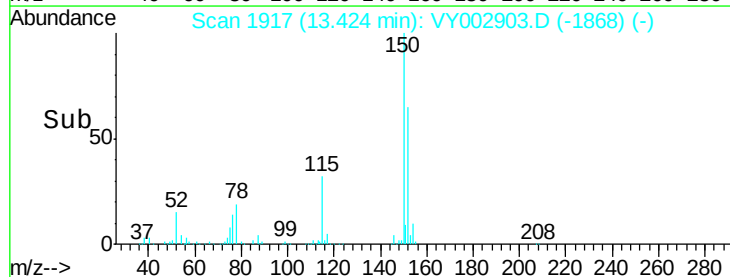
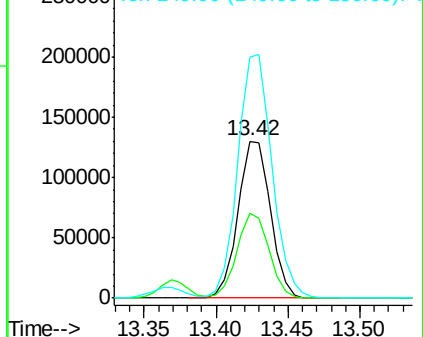
152 100

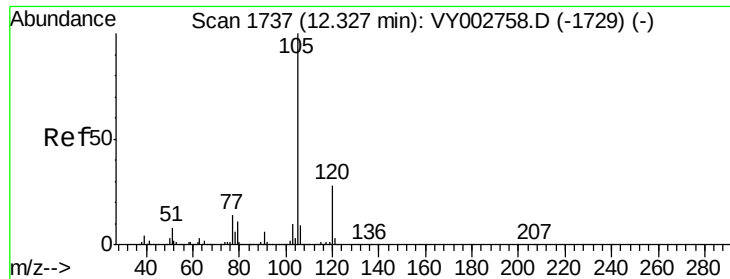
115 53.2 27.0 81.0

150 164.2 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.589 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion:105 Resp: 294053

Ion Ratio Lower Upper

105 100

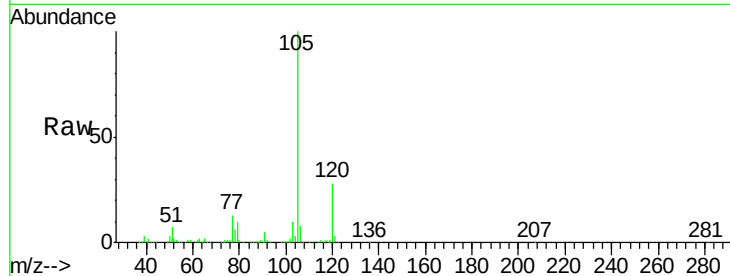
120 27.5 13.7 41.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

200000

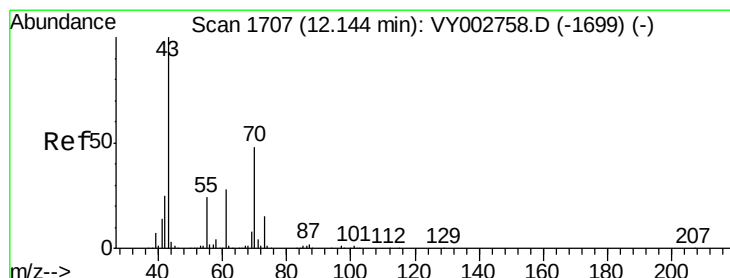
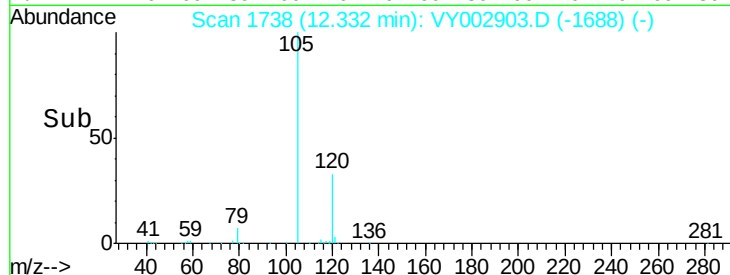
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 22.211 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Tgt Ion: 43 Resp: 74186

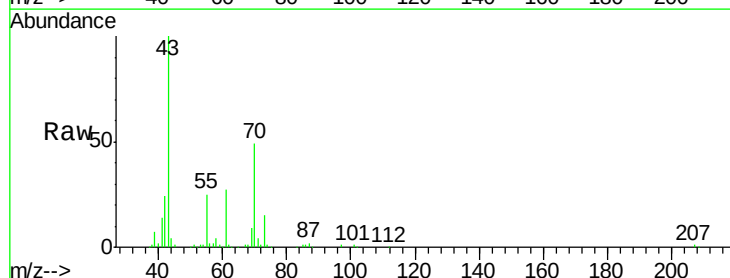
Ion Ratio Lower Upper

43 100

70 48.3 37.7 56.5

55 25.7 19.8 29.6

61 26.9 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

12.14

80000

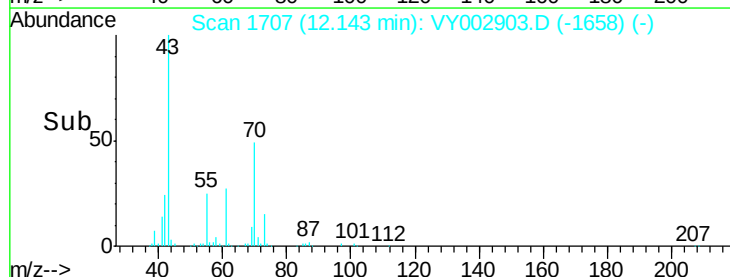
60000

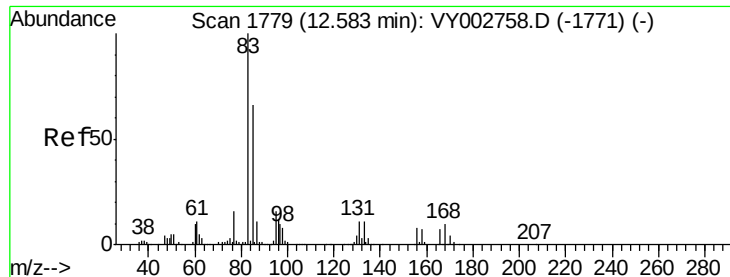
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.875 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

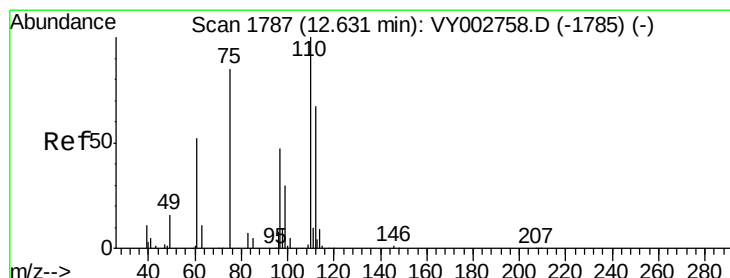
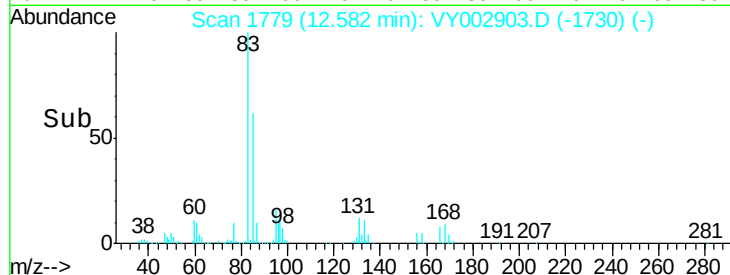
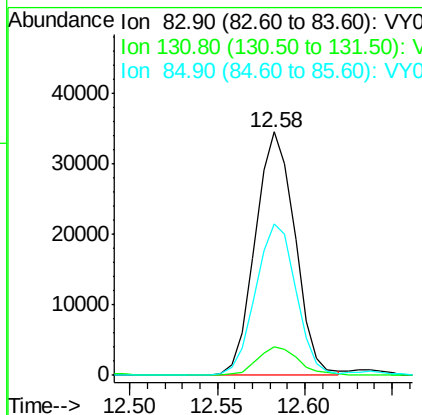
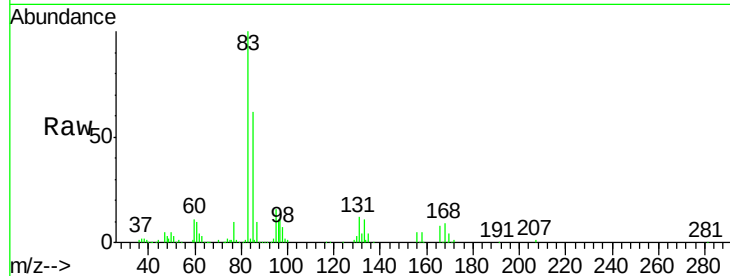
ClientSampleId :

VY0616SBS01

Tot Ion:	83	Resp:	54530
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.8	17.4
85	63.3	32.6	98.0

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#76

1,2,3-Trichloropropane

Concen: 24.250 ug/l m

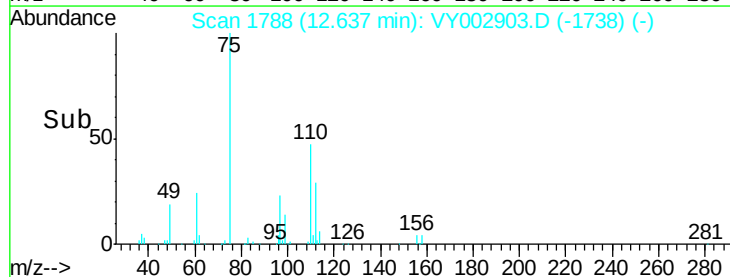
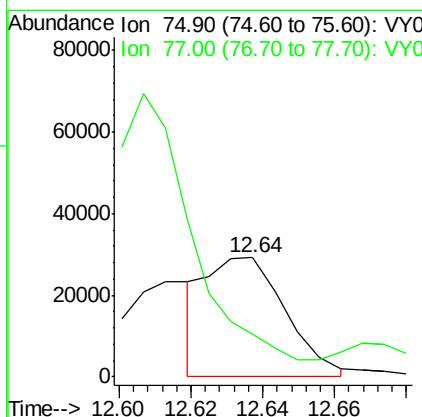
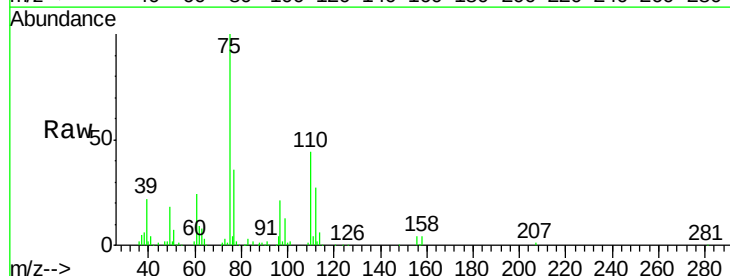
RT: 12.64 min Scan# 1788

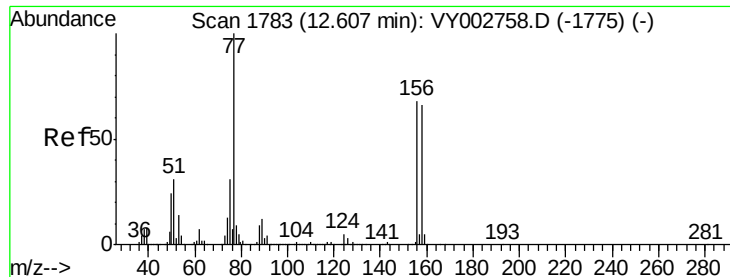
Delta R.T. 0.01 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Tgt Ion:	75	Resp:	44386
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.791 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion:156 Resp: 77254

Ion Ratio Lower Upper

156 100

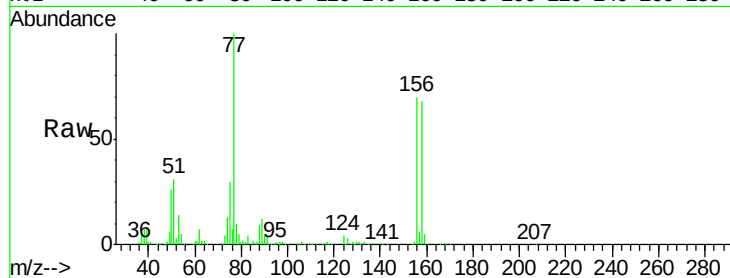
77 158.8 81.4 244.2

158 95.4 48.5 145.6

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MMDadoda

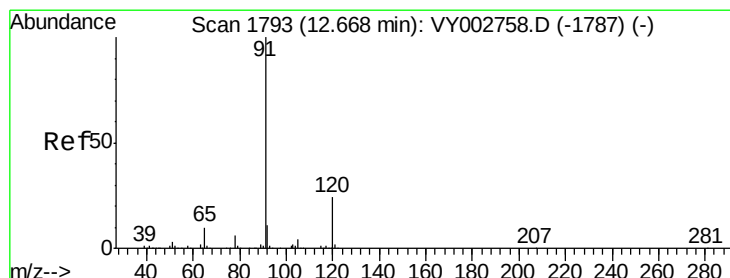
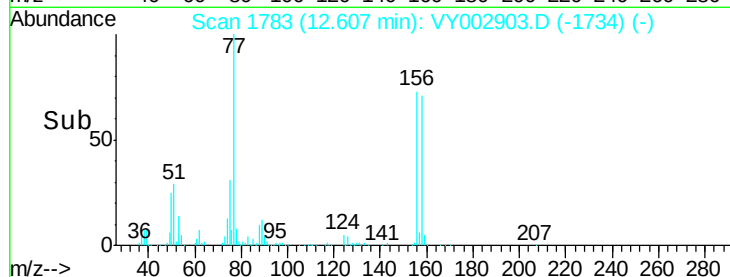
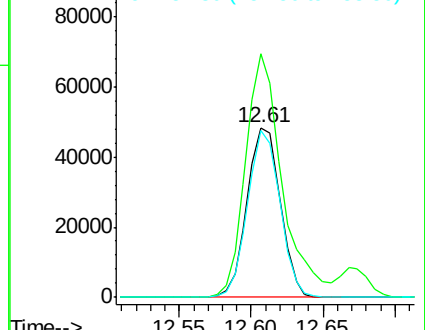
6/18/2020 11:14:22 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.804 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.01 min

Lab File: VY002903.D

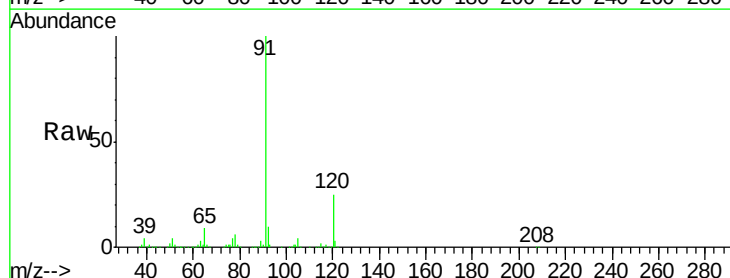
Acq: 16 Jun 2020 12:36

Tgt Ion: 91 Resp: 342908

Ion Ratio Lower Upper

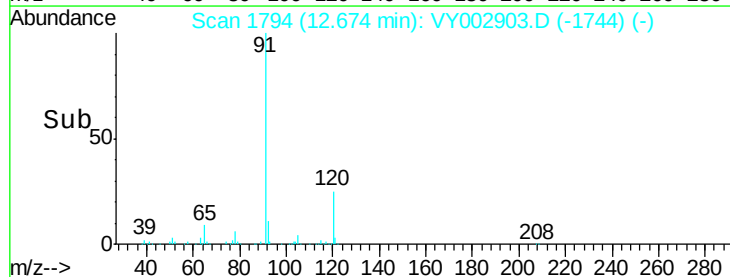
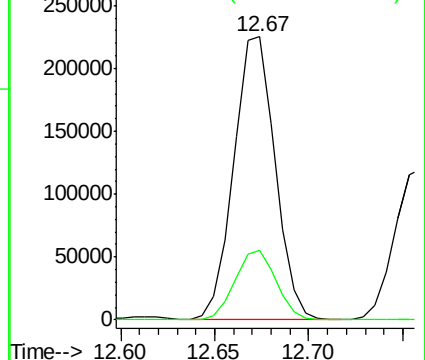
91 100

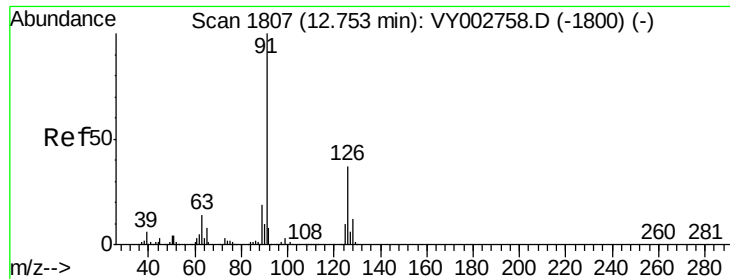
120 24.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.291 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBS01

Tot Ion: 91 Resp: 188027

Ion Ratio Lower Upper

91 100

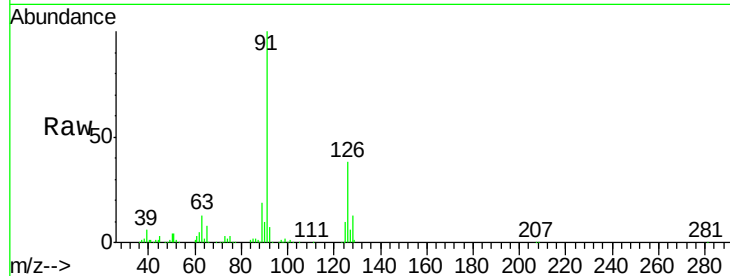
126 37.3 18.4 55.4

Manual Integrations

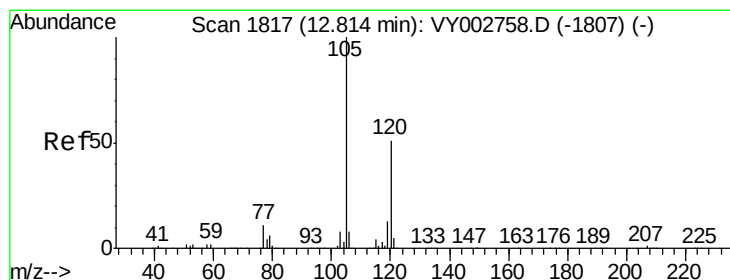
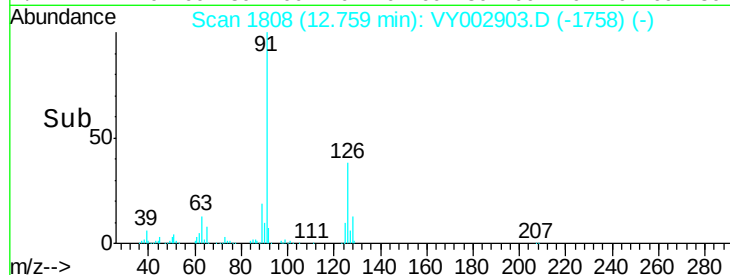
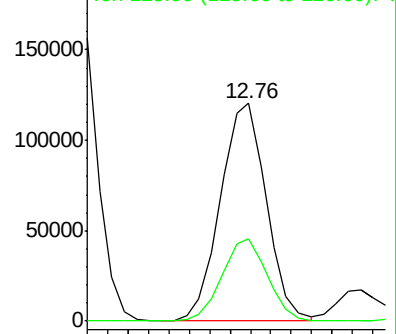
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Abundance Ion 91.00 (90.70 to 91.70): VY002758.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.806 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY002903.D

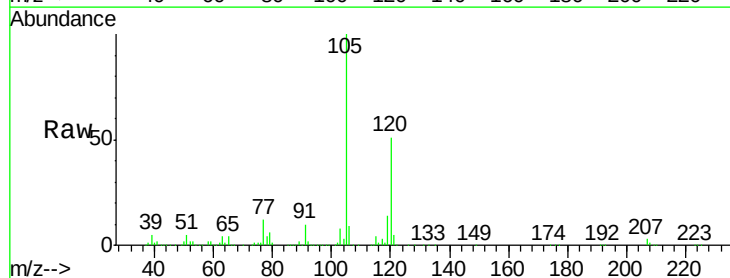
Acq: 16 Jun 2020 12:36

Tgt Ion: 105 Resp: 247887

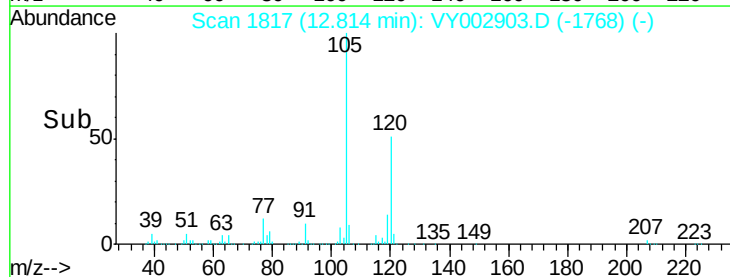
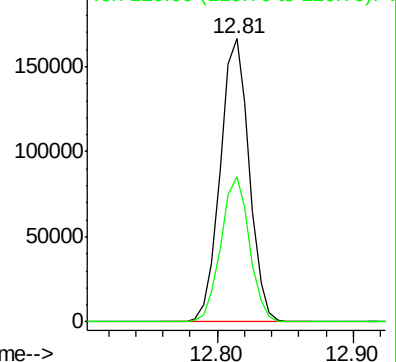
Ion Ratio Lower Upper

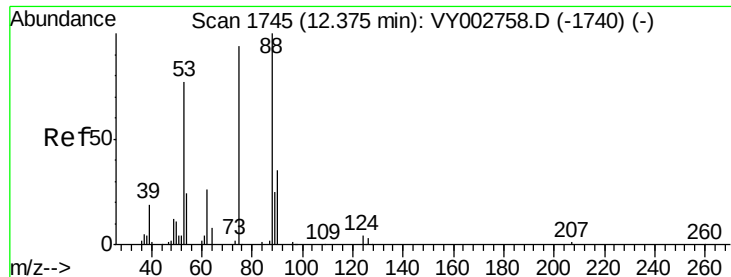
105 100

120 50.5 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VY002758.D (-1807) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 23.051 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

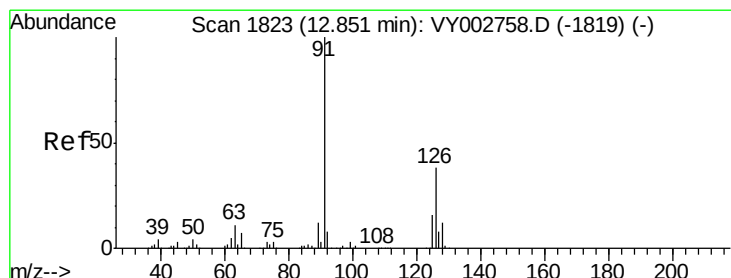
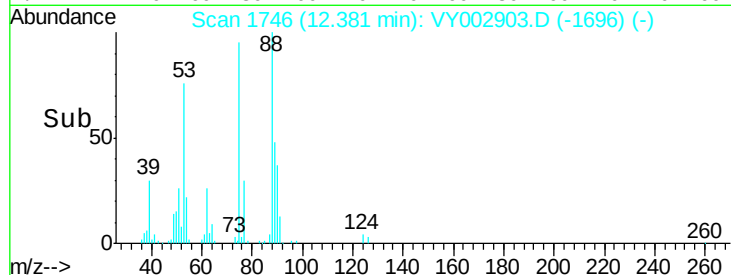
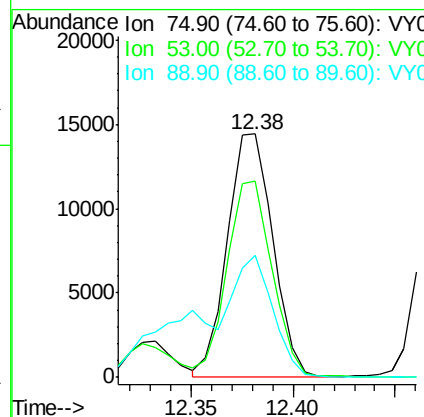
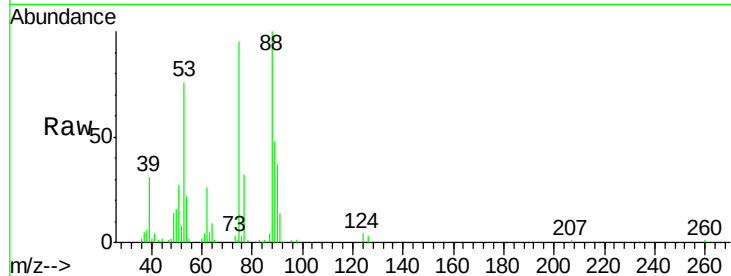
ClientSampleId :

VY0616SBS01

Tot Ion:	75	Resp:	22395
Ion Ratio	Lower	Upper	
75	100		
53	80.0	64.0	96.0
89	44.6	37.4	56.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.740 ug/l

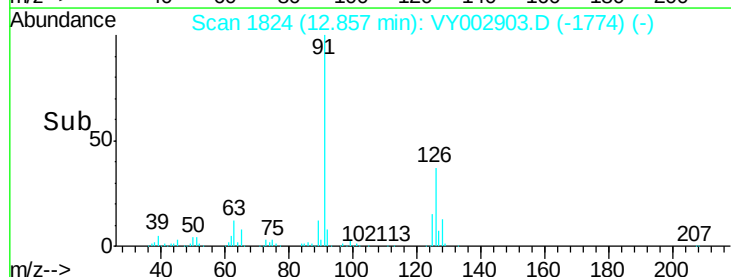
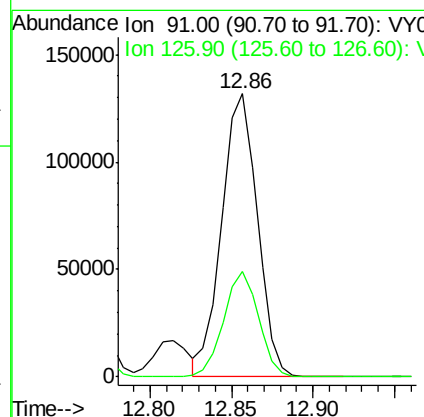
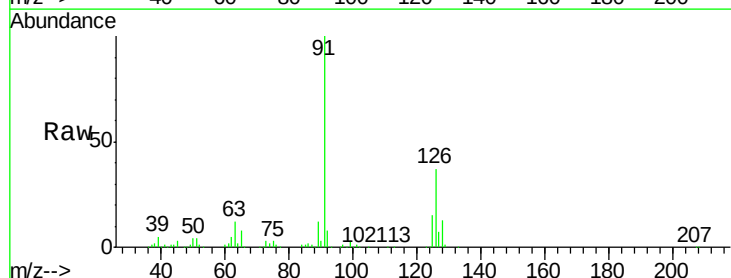
RT: 12.86 min Scan# 1824

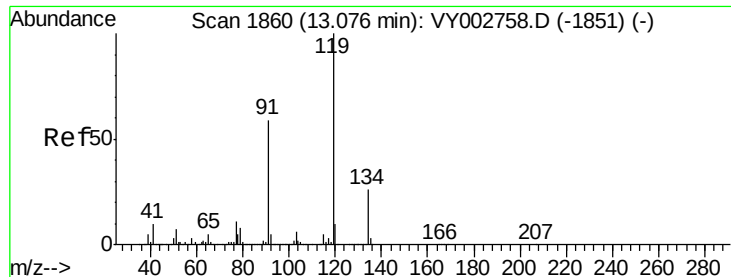
Delta R.T. 0.01 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Tgt Ion:	91	Resp:	200962
Ion Ratio	Lower	Upper	
91	100		
126	36.5	18.5	55.5





#83

tert-Butylbenzene

Concen: 22.765 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Instrument :

MSVOA_Y

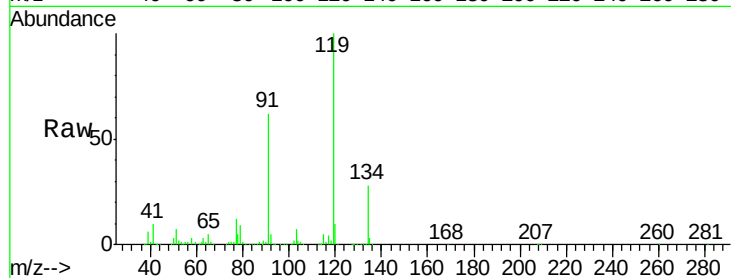
ClientSampleId :

VY0616SBS01

Tot Ion:	119	Resp:	220711
Ion Ratio	Lower	Upper	
119	100		
91	59.4	29.8	89.4
134	27.5	13.3	39.8

Manual Integrations
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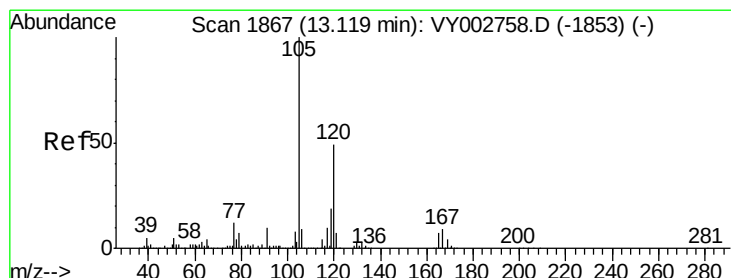
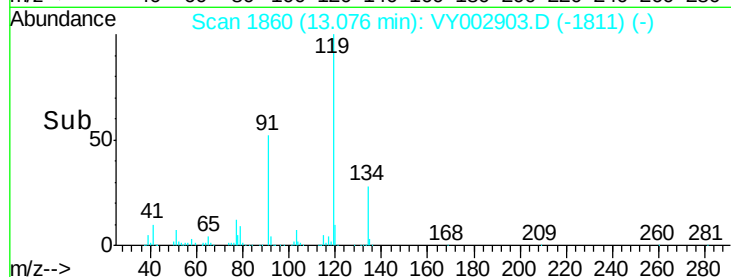
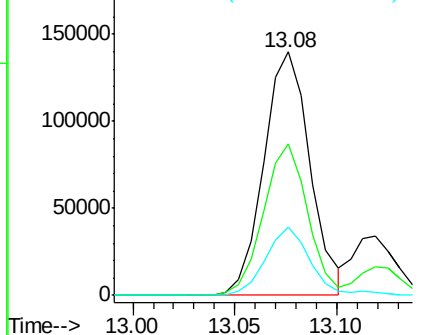
MMDadoda
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.845 ug/l

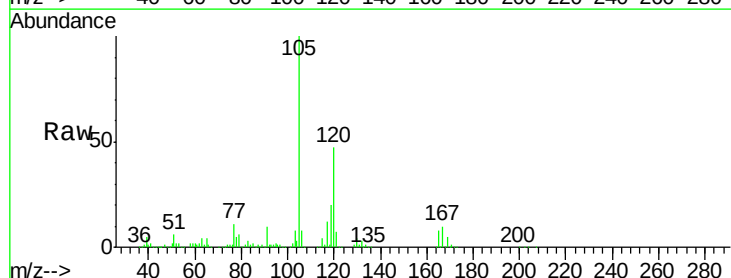
RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY002903.D

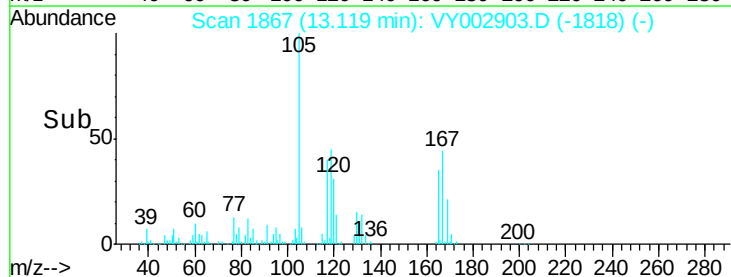
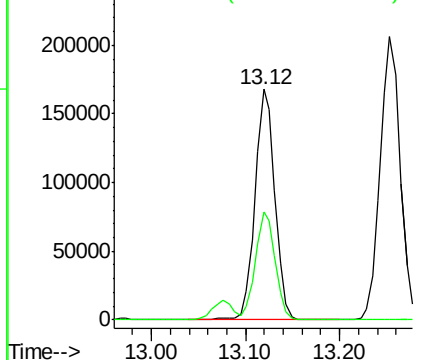
Acq: 16 Jun 2020 12:36

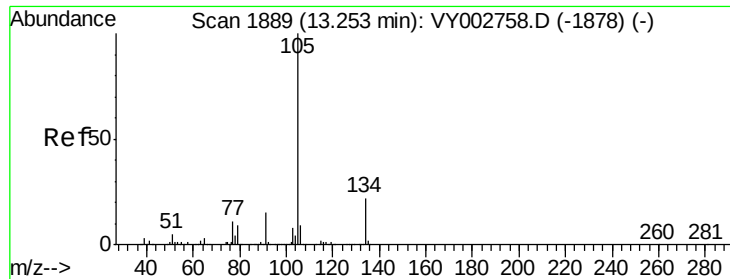
Tgt Ion:	105	Resp:	249672
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.6	70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





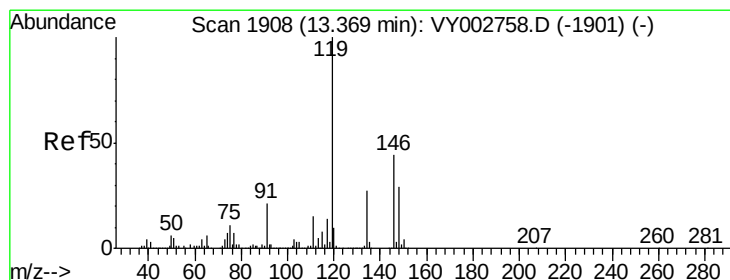
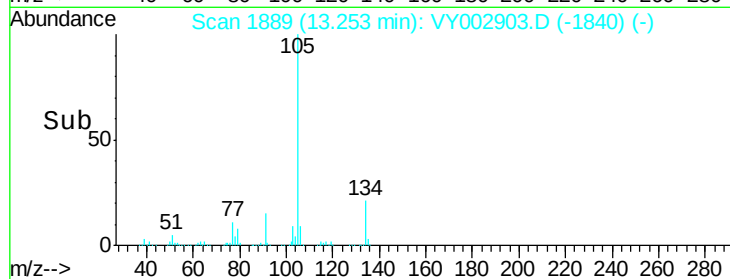
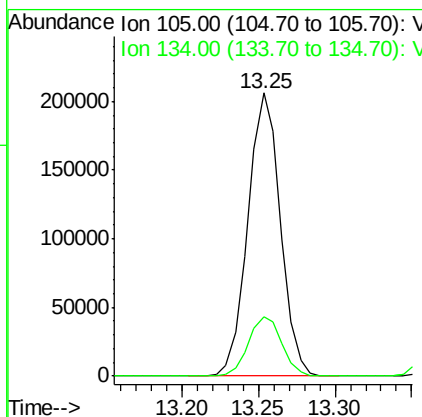
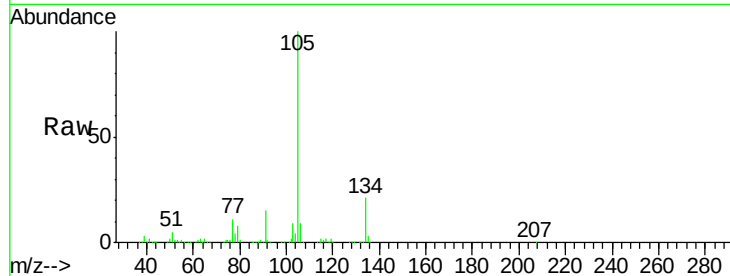
#85
 sec-Butylbenzene
 Concen: 22.911 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY002903.D
 Acq: 16 Jun 2020 12:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.8	10.8	32.4

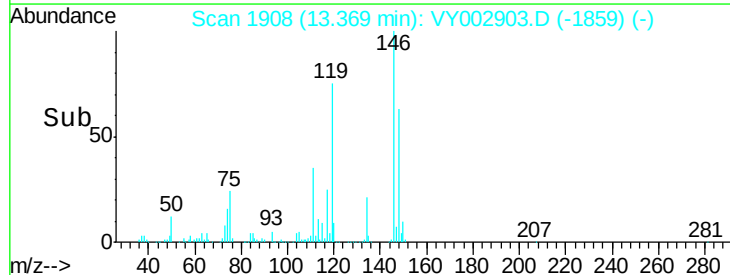
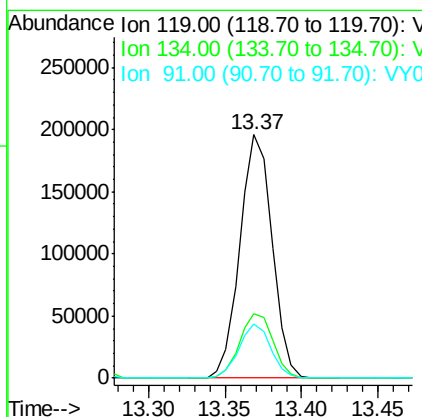
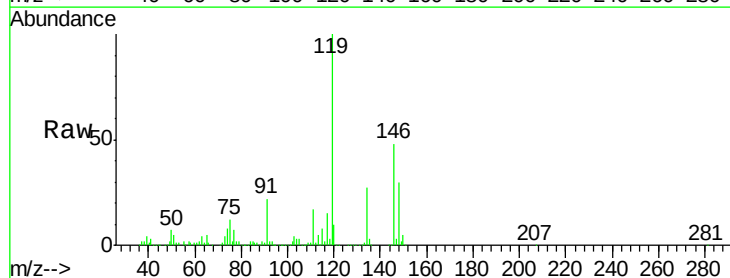
Manual Integrations
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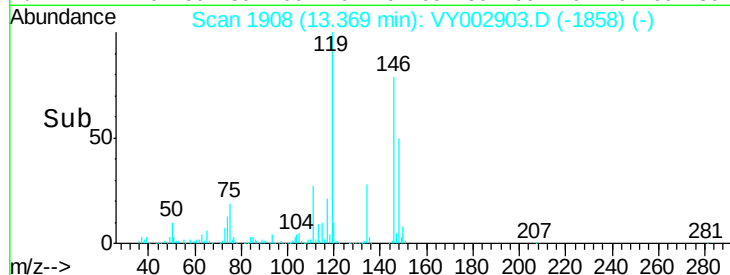
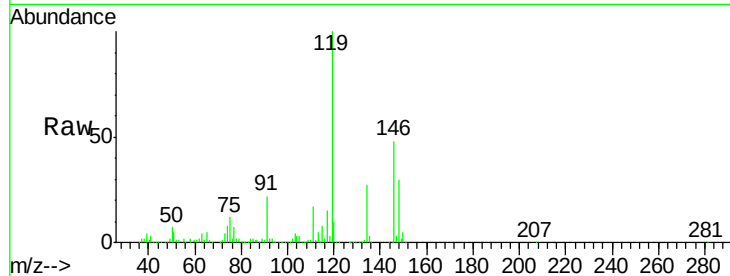
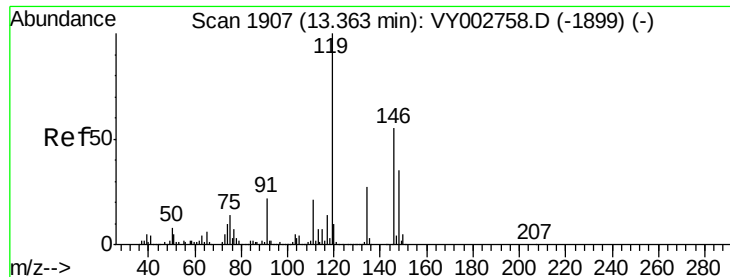
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 6/18/2020 11:14:22 AM



#86
 p-Isopropyltoluene
 Concen: 23.165 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY002903.D
 Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.7	41.0
91	22.0	10.8	32.4





#87

1,3-Dichlorobenzene

Concen: 23.019 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

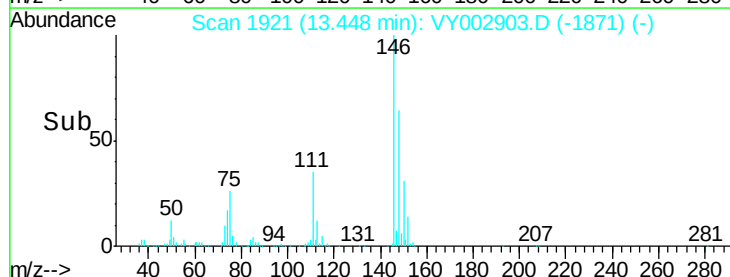
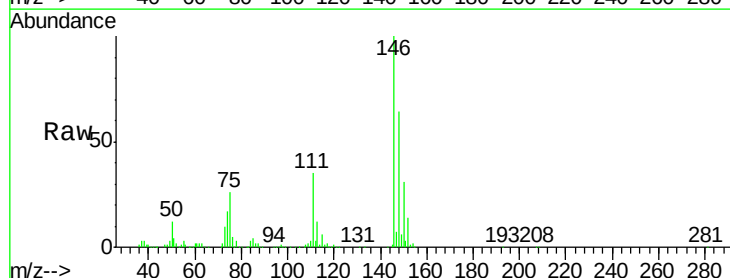
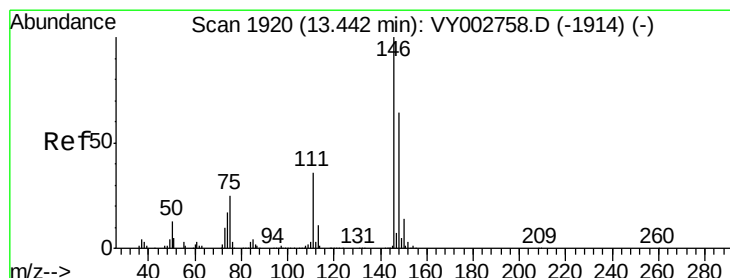
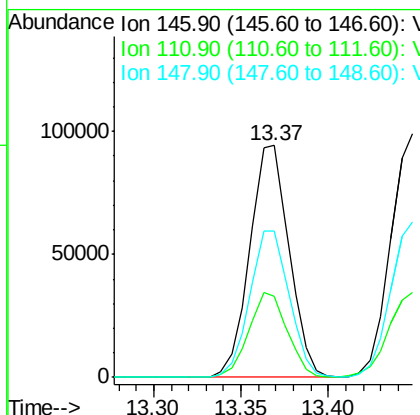
Tot Ion	Ratio	Resp	Lower	Upper
146	100	147799		
111	35.7	18.4	55.0	
148	63.5	31.9	95.7	

Instrument :
MSVOA_Y

ClientSampleId :
VY0616SBS01

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#88

1,4-Dichlorobenzene

Concen: 23.067 ug/l

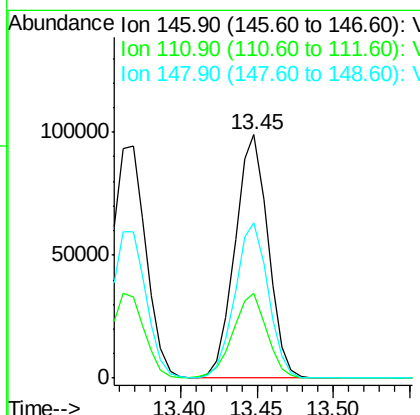
RT: 13.45 min Scan# 1921

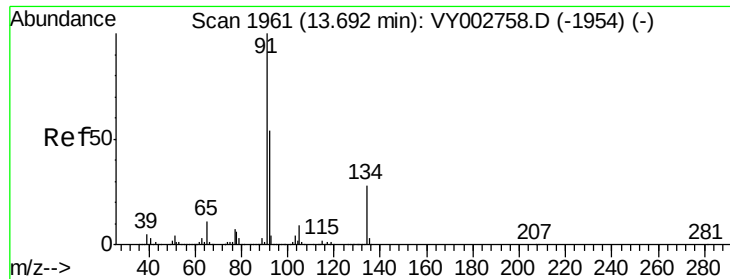
Delta R.T. 0.01 min

Lab File: VY002903.D

Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	148155		
111	35.7	18.1	54.3	
148	64.2	32.1	96.3	





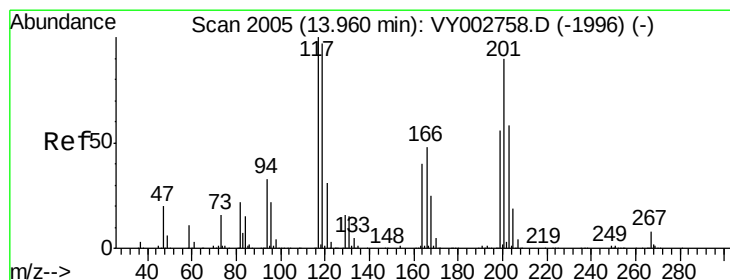
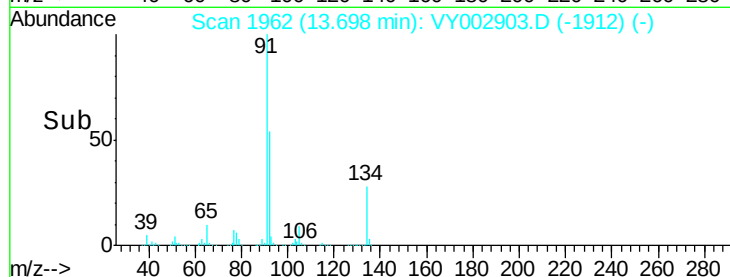
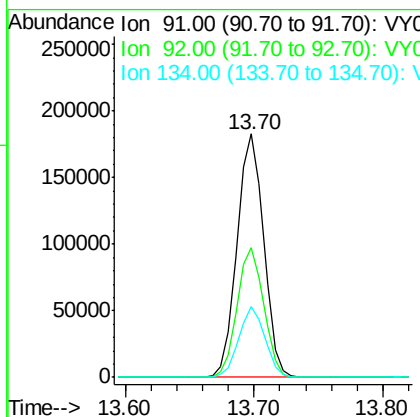
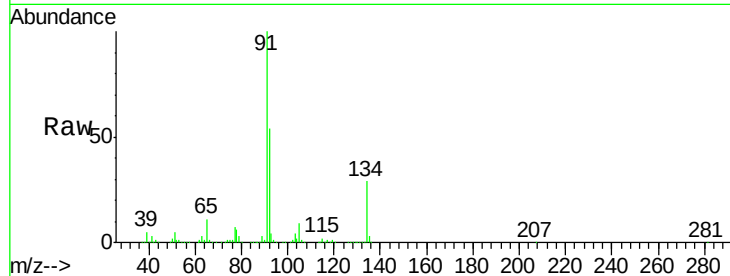
#89
n-Butylbenzene
Concen: 23.336 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.1	81.2
134	28.6	14.3	42.9

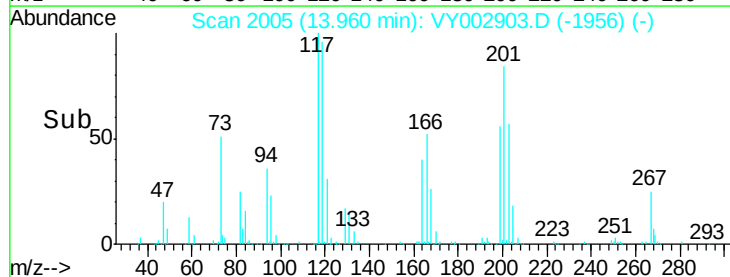
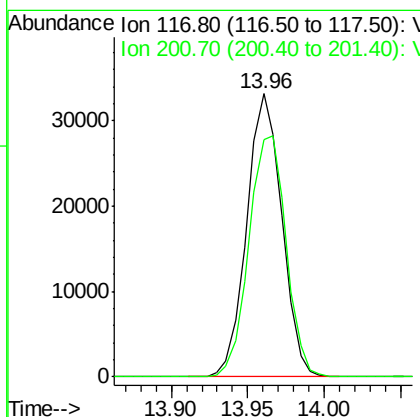
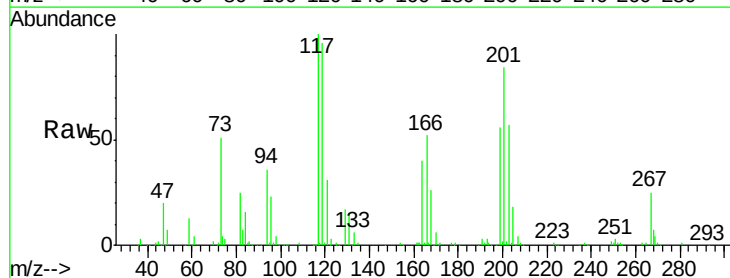
Manual Integrations
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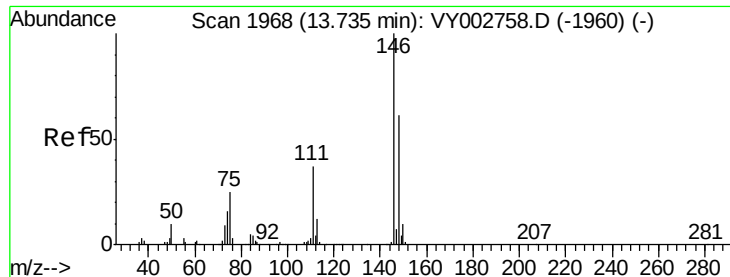
MMDadoda
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#90
Hexachloroethane
Concen: 22.886 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.4	43.9	131.6





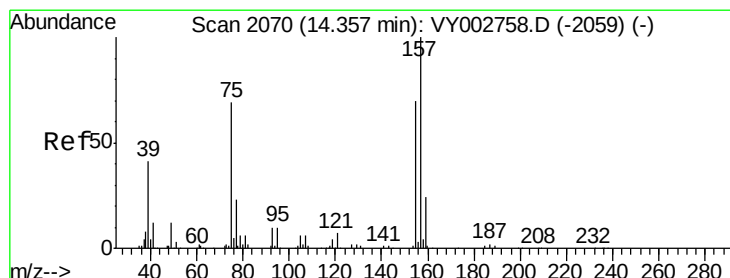
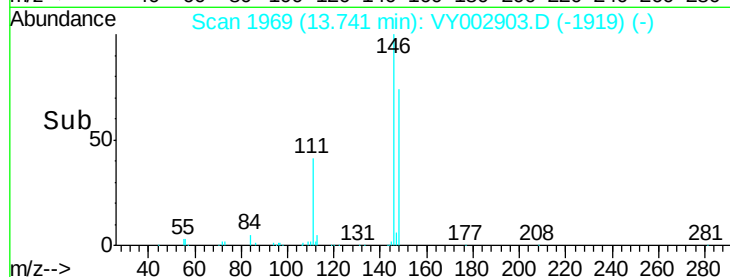
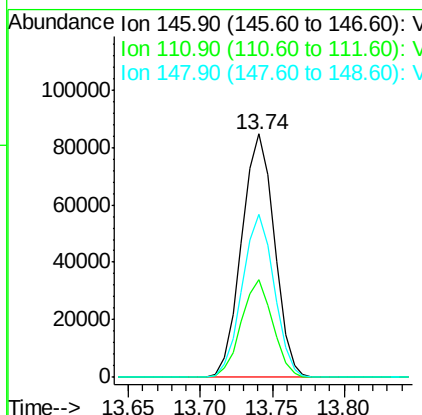
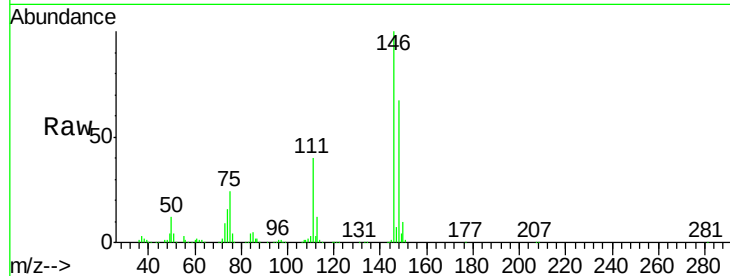
#91
 1,2-Dichlorobenzene
 Concen: 22.922 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY002903.D
 Acq: 16 Jun 2020 12:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.9
148	65.5	31.9	95.5

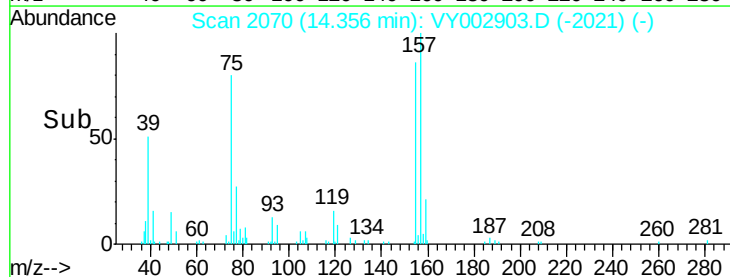
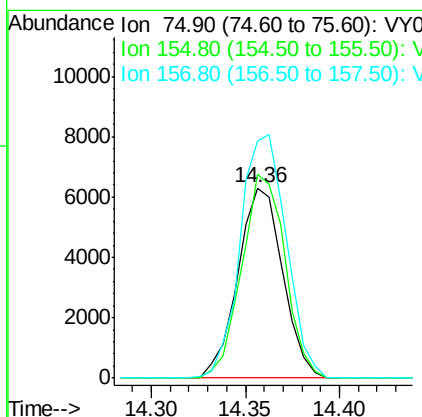
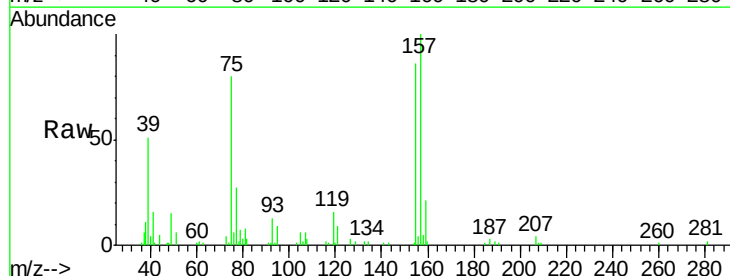
Manual Integrations
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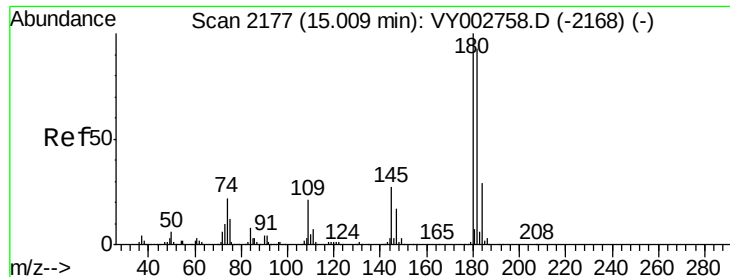
MMDadoda
 6/18/2020 11:14:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.683 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY002903.D
 Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.4	53.5	160.5
157	131.2	69.9	209.7





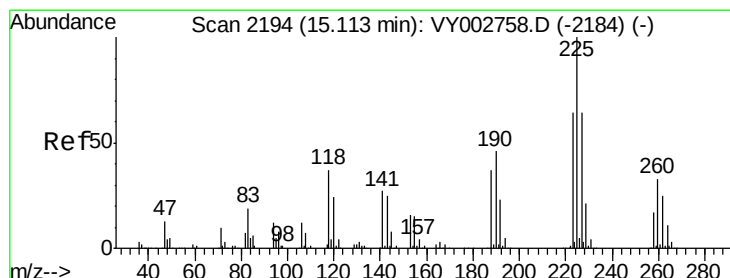
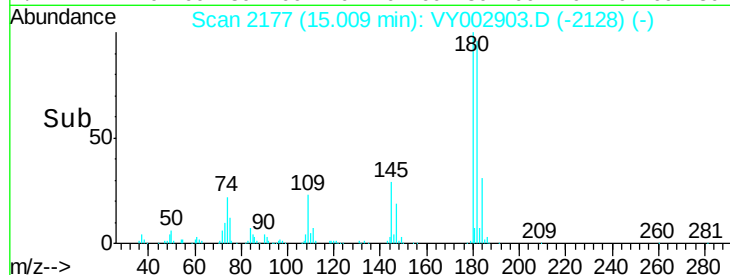
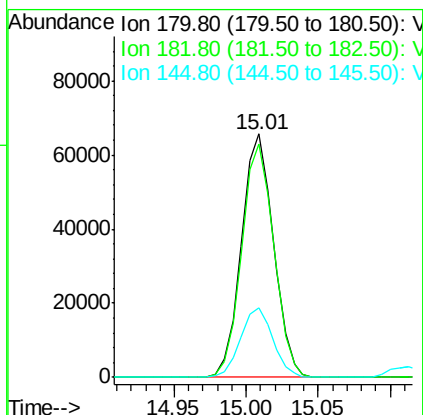
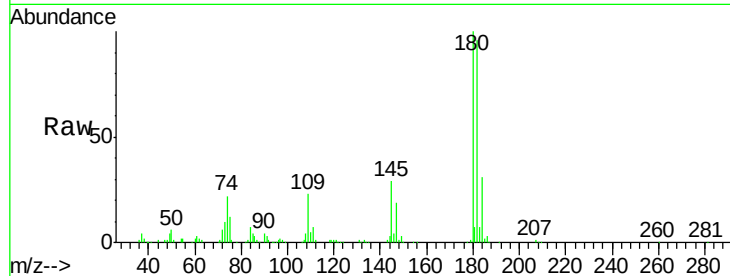
#93
 1,2,4-Trichlorobenzene
 Concen: 23.051 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY002903.D
 Acq: 16 Jun 2020 12:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	101171		
182	95.7	47.3	141.9	
145	28.8	14.1	42.3	

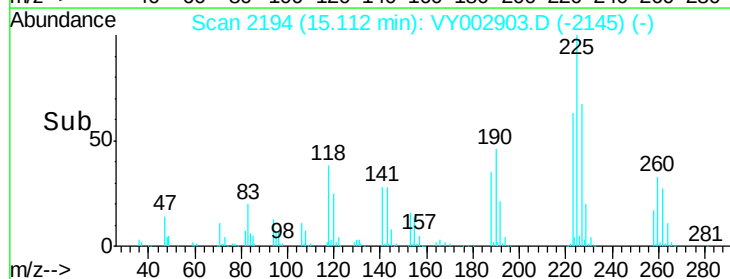
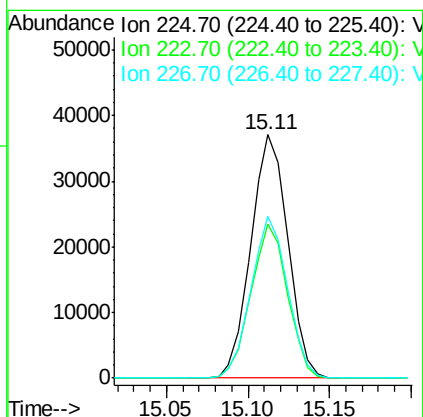
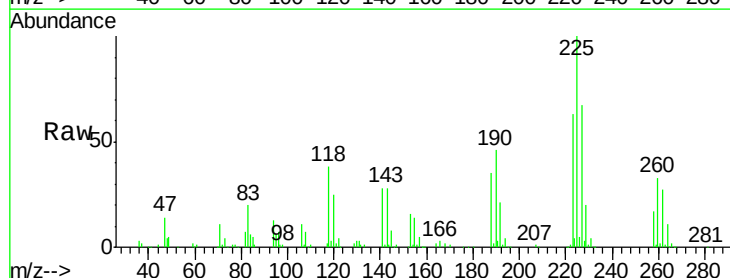
Manual Integrations
 APPROVED

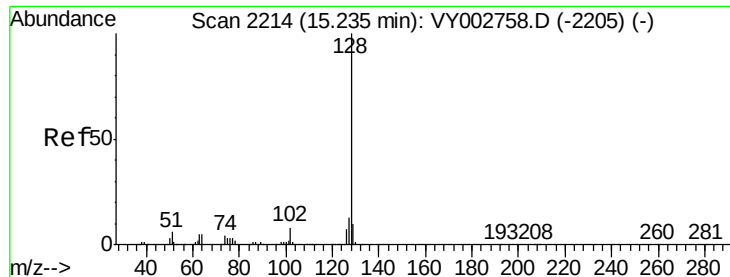
MMDadoda
 6/18/2020 11:14:22 AM



#94
 Hexachlorobutadiene
 Concen: 23.562 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY002903.D
 Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58655		
223	62.5	31.6	95.0	
227	65.5	32.3	96.9	





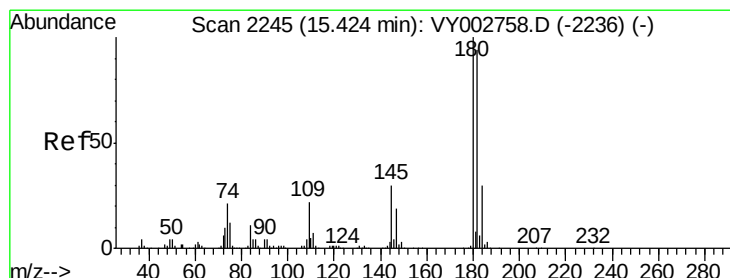
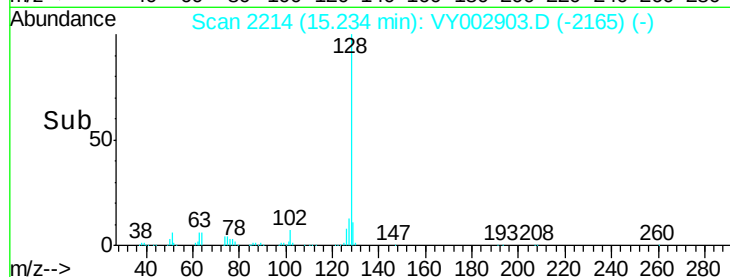
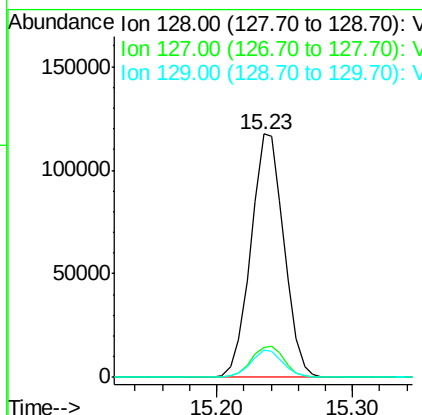
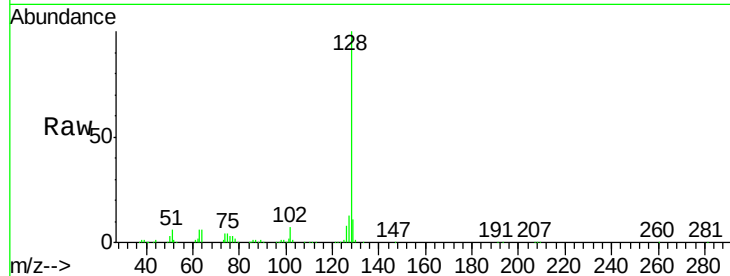
#95
Naphthalene
Concen: 22.767 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	200351		
127	12.9		10.3	15.5
129	10.8		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/18/2020 11:14:22 AM



#96
1,2,3-Trichlorobenzene
Concen: 23.275 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY002903.D
Acq: 16 Jun 2020 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	91224		
182	95.0		48.1	144.4
145	30.6		15.1	45.3

